



3911

39¢

The Practice Workbook

**GRADE
3**

ARITHMETIC

$$27 - 4 = 23$$

$$\begin{array}{r} 41 \\ 4 \overline{)164} \end{array}$$

$$\begin{array}{r} 7 \\ + 4 \\ \hline 11 \end{array}$$

$2+2=4$



$2+2=4$



$1+1=2$



Arithmetic

$1+1=2$



Arithmetic

Reading



Reading



Spelling



$3+2=5$

Spelling



$3+2=5$

Writing



Writing



$2+2=4$



$2+2=4$



$1+1=2$



Arithmetic

$1+1=2$



Arithmetic

Reading



Reading



Spelling



$3+2=5$

Spelling



$3+2=5$

Writing



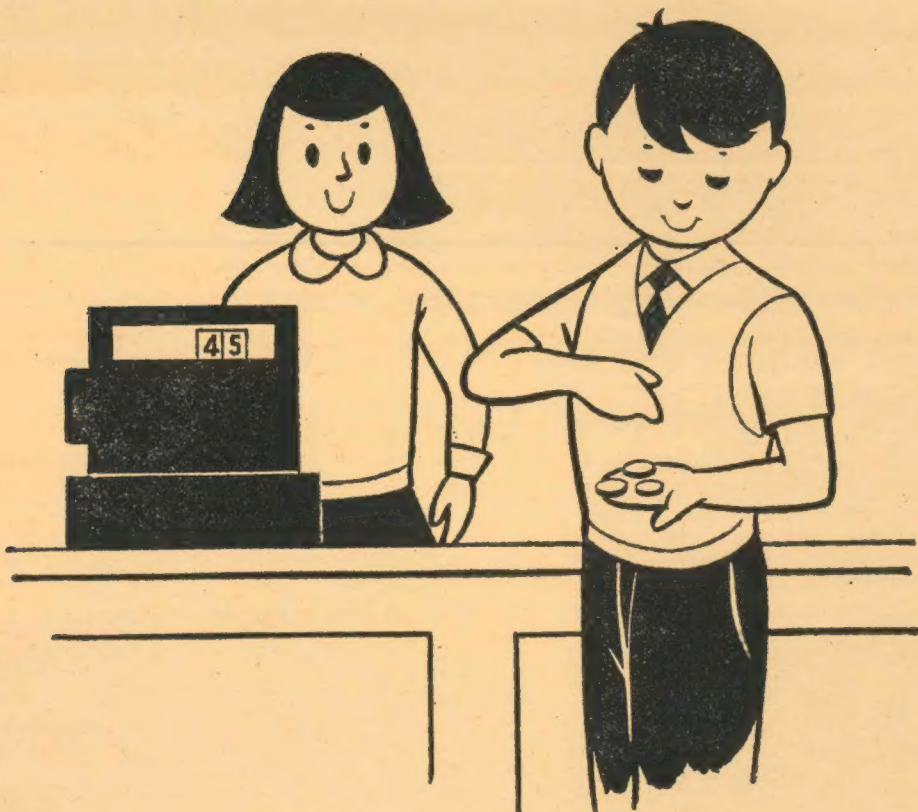
Writing



GRADE 3

The Practice Workbook of **ARITHMETIC**

Prepared by an outstanding group of teachers
under the supervision of the Educational Board
of Charles E. Merrill Books, Inc.



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$$9+8=17-6=11-7=4\times 2=8$$

Note to Parents and Teachers

The exercises in *The Practice Workbook of Arithmetic, Grades 3 and 4*, may be used in conjunction with any arithmetic text or program. Each workbook provides systematic, graded practice and review of the most important part of the year's work, based on analyses of recent arithmetic textbooks, new and outstanding courses of study, and the latest research.

In order to spread the work contained in this book over a school year, the material may be used once or twice a week for diagnostic purposes. Each page represents a complete lesson for one day. Systematic weekly diagnosis of individual difficulties in the various arithmetical skills will save many failures and produce better results.

The type of errors made on any page (on which the practice items are arranged from easy to hard) will indicate individual weaknesses in various important arithmetic skills. With a knowledge of these deficiencies, it becomes easier to set about correcting the difficulties in the directed arithmetic work for the remaining days of the week.

By the unit arrangement of topics in this workbook, which presents new topics and at the same time gives practice in recalling previously taught processes within a grade and from earlier grades, children are prompted not to forget what they already have learned. However, if intensive training in any specific process (such as addition) is called for, a unit sequence of pages devoted to that process may be assigned to the child. This plan will provide graded practice (from easy to hard) in the process being developed.

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Review

(1) half past

10 o'clock



(2) o'clock



(3) Write the numbers from 10 to 20.

.....

(4) Write the numbers from 43 to 52.

.....

Add

$\begin{array}{r} 6 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ 4 \\ \hline \end{array}$
---	---	---	---	---	---	---

$\begin{array}{r} 43 \\ 33 \\ \hline \end{array}$	$\begin{array}{r} 55 \\ 13 \\ \hline \end{array}$	$\begin{array}{r} 43 \\ 11 \\ \hline \end{array}$	$\begin{array}{r} 36 \\ 21 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ 86 \\ \hline \end{array}$	$\begin{array}{r} 25 \\ 32 \\ \hline \end{array}$	$\begin{array}{r} 44 \\ 25 \\ \hline \end{array}$
---	---	---	---	---	---	---

Subtract

$\begin{array}{r} 9 \\ 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ 7 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ 5 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ 5 \\ \hline \end{array}$
---	---	---	---	---	---	---

$\begin{array}{r} 69 \\ 52 \\ \hline \end{array}$	$\begin{array}{r} 89 \\ 44 \\ \hline \end{array}$	$\begin{array}{r} 87 \\ 51 \\ \hline \end{array}$	$\begin{array}{r} 78 \\ 32 \\ \hline \end{array}$	$\begin{array}{r} 67 \\ 46 \\ \hline \end{array}$	$\begin{array}{r} 87 \\ 12 \\ \hline \end{array}$	$\begin{array}{r} 99 \\ 38 \\ \hline \end{array}$
---	---	---	---	---	---	---

Write the answers.

(Watch the signs.)

(1) $4+1=$

(2) $6-1=$

(3) $5-3=$

(4) $3+2=$

(5) $8-2=$

Do these problems. Show how you work each one.

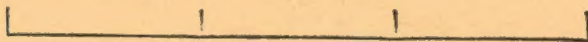
(6) There are 21 boys and 18 girls in Grade 3. How many children are there in Grade 3? children.

(7) A nickel and 4 cents are cents.

Measuring and Money

Draw and mark the lines in inches.
(See number 1.)

(1) 3 inches.



(2) 2 inches.

(3) 4 inches.

(4) 1 inch.

(5) How long is this line? _____ inches.

(6) How long is this line? _____ inch.

Draw and mark these lines in inches and half inches. (See number 7.)

(7) $2\frac{1}{2}$ inches



(8) 2 inches

(9) $1\frac{1}{2}$ inches

(10) 3 inches

(11) $3\frac{1}{2}$ inches

(12) 1 inch

(13) How long is this line? _____ inches.

(14) How long is this line? _____ inches.

Write the answers.

(1) _____ cents make a nickel.

(2) _____ cents make a dime.

(3) _____ nickels make a dime.

(4) 4¢ and _____¢ make a dime.

(5) 7¢ and _____¢ make a dime.

(6) 5¢ and _____¢ make a dime.

(7) 9¢ and _____¢ make a dime.

Draw a ring around the right answers below. Which is more?

(1) a dime a nickel

(2) 8 cents a dime

(3) 6 cents a nickel

(4) 11 cents a dime

(5) 9 cents a dime

(6) 19 cents 2 dimes

Which is less?

(7) 8 cents a nickel

(8) 11 cents a dime

(9) 7 cents a dime

(10) 12 cents a dime

(11) 17 cents 2 dimes

(12) 25 cents 2 dimes

(13) 3 nickels a dime

(14) 4 nickels 3 dimes

Writing Numbers

(1) Write the numbers from 10 to 20.

(2) Write the numbers to 100 by tens.

(3) Write the numbers to 50 by fives.

(4) Write a number for each word below.

six _____ ten _____ four _____ seven _____ one _____
 nine _____ seven _____ five _____ eight _____ two _____

(5) Write the numbers that are missing in each column below.

11	30	46	82	101	112	177
12	31	-----	-----	102	-----	-----
-----	-----	-----	84	-----	114	-----
-----	-----	49	-----	-----	-----	180
-----	34	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----
17	-----	52	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	184
19	38	54	90	109	120	-----

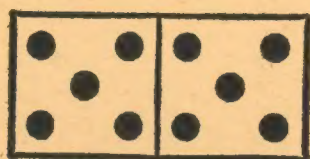
(6) Write the numbers from 200 to 210 by ones.

(7) Write the numbers from 347 to 356 by ones.

(8) Write the numbers from 189 to 198 by ones.

Number Facts for Ten and Nine

(1)



$$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -5 \\ \hline \end{array}$$

(2)



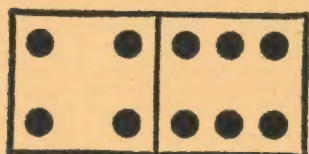
$$\begin{array}{r} 2 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -2 \\ \hline \end{array}$$

(3)



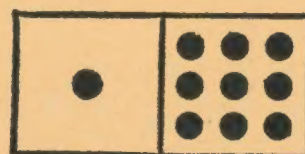
$$\begin{array}{r} 4 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -6 \\ \hline \end{array}$$

(4)



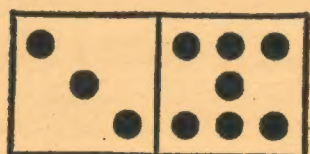
$$\begin{array}{r} 1 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -9 \\ \hline \end{array}$$

(5)



$$\begin{array}{r} 3 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -3 \\ \hline \end{array}$$

(6)



$$\begin{array}{r} 3 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -6 \\ \hline \end{array}$$

(7)

$$7+2=$$

$$2+7=$$

$$9-7=$$

$$9-2=$$

(8)

$$8+1=$$

$$1+8=$$

$$9-8=$$

$$9-1=$$

(9)

$$4+5=$$

$$5+4=$$

$$9-5=$$

$$9-4=$$

(10)

$$8+2=$$

$$2+8=$$

$$10-8=$$

$$10-2=$$

(11)

$$6+4=$$

$$4+6=$$

$$10-4=$$

$$10-6=$$

(12)

$$9+1=$$

$$1+9=$$

$$10-9=$$

$$10-1=$$

(13)

$$7+3=$$

$$3+7=$$

$$10-7=$$

$$10-3=$$

(14)

$$5+5=$$

$$10-5=$$

Review Number Facts

Add

$\begin{array}{r} 4 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ 5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ 1 \\ \hline \end{array}$
---	---	---	---	---	---	---

$\begin{array}{r} 4 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ 6 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ 1 \\ \hline \end{array}$
---	---	---	---	---	---	---

$\begin{array}{r} 14 \\ 23 \\ \hline \end{array}$	$\begin{array}{r} 21 \\ 64 \\ \hline \end{array}$	$\begin{array}{r} 43 \\ 53 \\ \hline \end{array}$	$\begin{array}{r} 52 \\ 32 \\ \hline \end{array}$	$\begin{array}{r} 24 \\ 33 \\ \hline \end{array}$	$\begin{array}{r} 33 \\ 52 \\ \hline \end{array}$	$\begin{array}{r} 64 \\ 24 \\ \hline \end{array}$
---	---	---	---	---	---	---

Subtract

$\begin{array}{r} 4 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ 5 \\ \hline \end{array}$
---	---	---	---	---	---	---

$\begin{array}{r} 67 \\ 41 \\ \hline \end{array}$	$\begin{array}{r} 76 \\ 52 \\ \hline \end{array}$	$\begin{array}{r} 88 \\ 31 \\ \hline \end{array}$	$\begin{array}{r} 79 \\ 41 \\ \hline \end{array}$	$\begin{array}{r} 87 \\ 62 \\ \hline \end{array}$	$\begin{array}{r} 88 \\ 72 \\ \hline \end{array}$	$\begin{array}{r} 87 \\ 53 \\ \hline \end{array}$
---	---	---	---	---	---	---

Number Words

Draw a ring around the right answer.

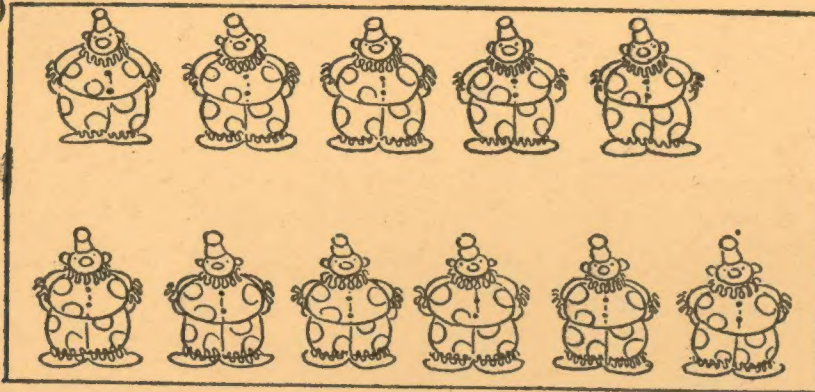
- | | | | |
|------------------------------|----|----|---|
| (1) One and one are..... | 4 | 2 | 5 |
| (2) One and four are..... | 6 | 4 | 5 |
| (3) Seven and one are..... | 7 | 8 | 9 |
| (4) Two and two are..... | 4 | 3 | 5 |
| (5) Two and five are..... | 8 | 7 | 9 |
| (6) Three and three are..... | 6 | 8 | 7 |
| (7) Three and seven are..... | 5 | 10 | 8 |
| (8) Four and six are..... | 10 | 8 | 9 |
| (9) Two and eight are..... | 8 | 10 | 9 |

Perfect score is 44. My Score

Number Facts About 11

Use the pictures to help you find the answers.

(1)



$5+6=$

$$\begin{array}{r} 5 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +5 \\ \hline \end{array}$$

$6+5=$

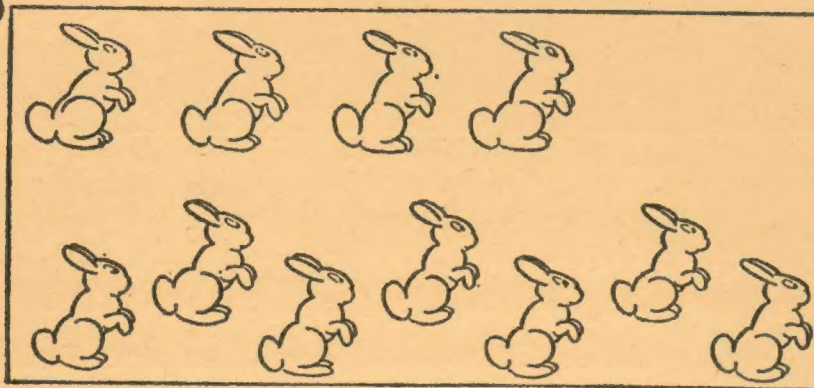
$11-6=$

$$\begin{array}{r} 11 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -5 \\ \hline \end{array}$$

$11-5=$

(2)



$4+7=$

$$\begin{array}{r} 4 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +4 \\ \hline \end{array}$$

$7+4=$

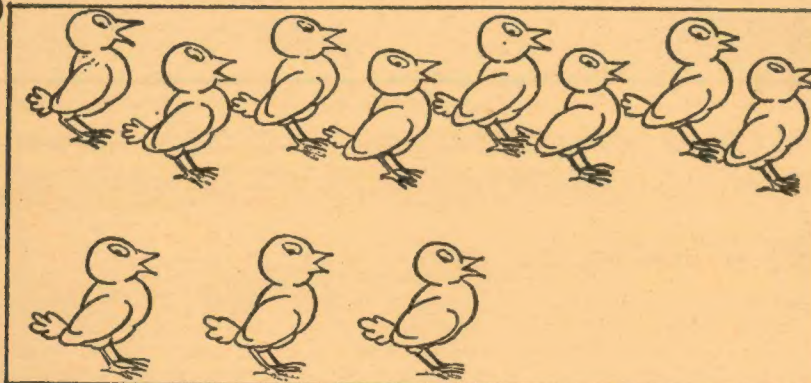
$11-4=$

$$\begin{array}{r} 11 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -7 \\ \hline \end{array}$$

$11-7=$

(3)



$8+3=$

$$\begin{array}{r} 8 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +8 \\ \hline \end{array}$$

$3+8=$

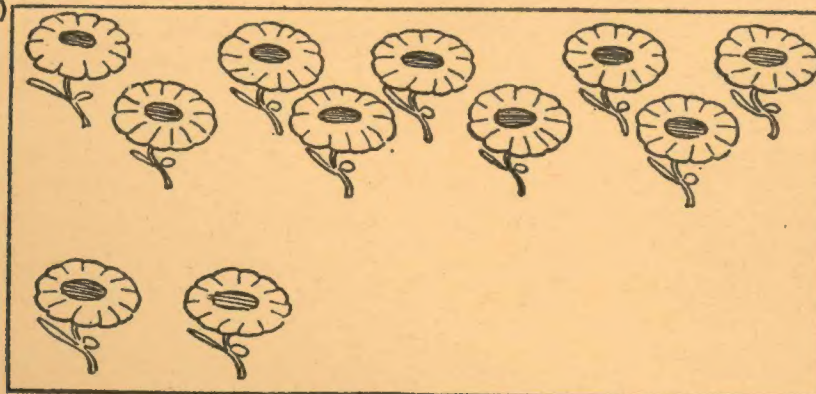
$11-8=$

$$\begin{array}{r} 11 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -3 \\ \hline \end{array}$$

$11-3=$

(4)



$9+2=$

$$\begin{array}{r} 9 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +9 \\ \hline \end{array}$$

$2+9=$

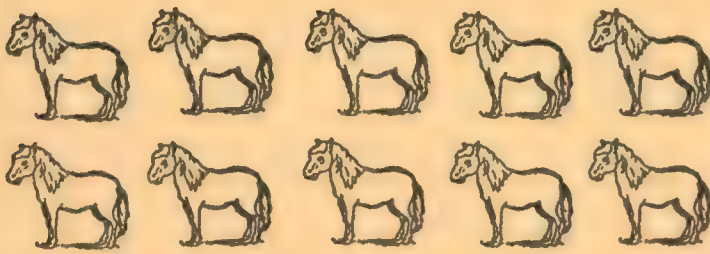
$11-9=$

$$\begin{array}{r} 11 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -2 \\ \hline \end{array}$$

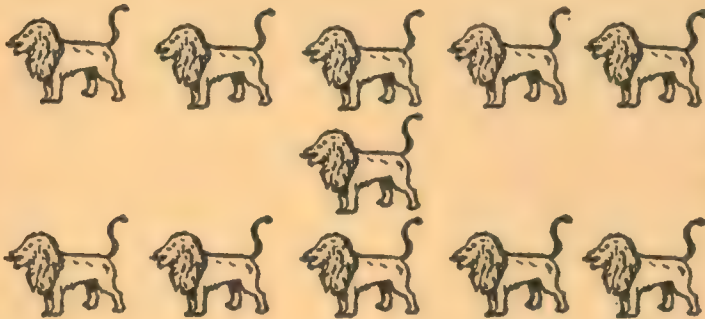
$11-2=$

Number Facts for 10 and 11



Write the answers.

$5+5=$	$10-5=$
$9+1=$	$10-9=$
$1+9=$	$10-1=$
$8+2=$	$10-8=$
$2+8=$	$10-2=$
$7+3=$	$10-7=$
$3+7=$	$10-3=$
$6+4=$	$10-6=$
$4+6=$	$10-4=$



Write the answers.

$6+5=$	$11-6=$
$5+6=$	$11-5=$
$7+4=$	$11-7=$
$4+7=$	$11-4=$
$8+3=$	$11-8=$
$3+8=$	$11-3=$
$9+2=$	$11-9=$
$2+9=$	$11-2=$

Write the answers.

(1) $4+5=$	(1) $9-6=$
(2) $14+5=$	(2) $19-6=$
(3) $24+5=$	(3) $29-6=$
(4) $34+5=$	(4) $39-6=$
(5) $8+1=$	(5) $8-2=$
(6) $18+1=$	(6) $18-2=$
(7) $28+1=$	(7) $28-2=$
(8) $38+1=$	(8) $38-2=$
(9) $6+3=$	(9) $7-4=$
(10) $16+3=$	(10) $17-4=$
(11) $26+3=$	(11) $27-4=$
(12) $36+3=$	(12) $37-4=$
(13) $7+2=$	(13) $5-3=$
(14) $17+2=$	(14) $15-3=$
(15) $27+2=$	(15) $25-3=$

Add downward.

$\begin{array}{r} 3 \\ 2 \\ \hline 4 \end{array}$	$\begin{array}{r} 7 \\ 2 \\ \hline 1 \end{array}$	$\begin{array}{r} 5 \\ 5 \\ \hline 1 \end{array}$
---	---	---

$\begin{array}{r} 4 \\ 2 \\ \hline 4 \end{array}$	$\begin{array}{r} 1 \\ 6 \\ \hline 4 \end{array}$	$\begin{array}{r} 5 \\ 3 \\ \hline 3 \end{array}$
---	---	---

$\begin{array}{r} 4 \\ 5 \\ \hline 2 \end{array}$	$\begin{array}{r} 2 \\ 3 \\ \hline 6 \end{array}$	$\begin{array}{r} 1 \\ 8 \\ \hline 2 \end{array}$
---	---	---

Addition and Subtraction

Add downward. Find the sums.

$\begin{array}{r} 3 \\ 1 \\ \hline 2 \end{array}$	$\begin{array}{r} 1 \\ 4 \\ \hline 1 \end{array}$	$\begin{array}{r} 5 \\ 1 \\ \hline 3 \end{array}$	$\begin{array}{r} 2 \\ 3 \\ \hline 4 \end{array}$	$\begin{array}{r} 2 \\ 3 \\ \hline 5 \end{array}$
---	---	---	---	---

$\begin{array}{r} 3 \\ 3 \\ \hline 5 \end{array}$	$\begin{array}{r} 4 \\ 4 \\ \hline 2 \end{array}$	$\begin{array}{r} 4 \\ 5 \\ \hline 1 \end{array}$	$\begin{array}{r} 4 \\ 3 \\ \hline 4 \end{array}$	$\begin{array}{r} 4 \\ 5 \\ \hline 2 \end{array}$
---	---	---	---	---

$\begin{array}{r} 66 \\ 23 \\ \hline \end{array}$	$\begin{array}{r} 58 \\ 21 \\ \hline \end{array}$	$\begin{array}{r} 64 \\ 34 \\ \hline \end{array}$	$\begin{array}{r} 54 \\ 34 \\ \hline \end{array}$	$\begin{array}{r} 87 \\ 12 \\ \hline \end{array}$
---	---	---	---	---

$\begin{array}{r} 67 \\ 42 \\ \hline \end{array}$	$\begin{array}{r} 73 \\ 42 \\ \hline \end{array}$	$\begin{array}{r} 94 \\ 12 \\ \hline \end{array}$	$\begin{array}{r} 53 \\ 54 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ 35 \\ \hline \end{array}$
---	---	---	---	---

Find the remainders.

$\begin{array}{r} 119 \\ 54 \\ \hline \end{array}$	$\begin{array}{r} 108 \\ 56 \\ \hline \end{array}$	$\begin{array}{r} 117 \\ 66 \\ \hline \end{array}$	$\begin{array}{r} 107 \\ 41 \\ \hline \end{array}$
--	--	--	--

$\begin{array}{r} 116 \\ 22 \\ \hline \end{array}$	$\begin{array}{r} 118 \\ 33 \\ \hline \end{array}$	$\begin{array}{r} 108 \\ 36 \\ \hline \end{array}$	$\begin{array}{r} 118 \\ 42 \\ \hline \end{array}$
--	--	--	--

$\begin{array}{r} 117 \\ 74 \\ \hline \end{array}$	$\begin{array}{r} 108 \\ 65 \\ \hline \end{array}$	$\begin{array}{r} 117 \\ 85 \\ \hline \end{array}$	$\begin{array}{r} 108 \\ 77 \\ \hline \end{array}$
--	--	--	--

Write the answers.

(1) $9+0=$

(2) $9-0=$

(3) $6+0=$

(4) $6-0=$

(5) $2+0=$

(6) $2-0=$

(7) $7+0=$

(8) $8+0=$

(9) $3+0=$

(10) $7-0=$

(11) $3-0=$

(12) $8-0=$

(13) $5-0=$

(14) $5+0=$

(15) $4-0=$

(1) $9-9=0$

(2) $4-4=$

(3) $2-2=$

(4) $6-6=$

(5) $5-1=$

(6) $5-5=$

(7) $8-8=$

(8) $0-0=$

(9) $7-7=$

(10) $3-0=$

Using Numbers in Story Problems

Show how you work each problem. (See number one.)

- (1) Grace cut out 4 paper dolls and Kate cut out 7 paper dolls. Together they cut out 11 dolls.
- | |
|----|
| 4 |
| +7 |
| 11 |

- (2) There were 2 ladies, 4 men, and 4 children in a car. How many people were in the car? _____ people.

- (3) Mr. White planted 3 apple trees, 3 cherry trees, and 5 plum trees. He planted _____ trees.

- (4) Uncle Jack had 4 horses in the barn, 1 in the field, and 6 at work. He had _____ horses.

- (5) Don read 43 pages in his new book yesterday and 46 pages today. He has read _____ pages.

- (6) Grandfather is 78 years old and grandmother is 64. Grandfather is _____ years older than grandmother.

- (7) There are 49 pupils in Sue's class. One rainy day 15 were absent. There were _____ children at school that day.

- (8) There are 10 houses on Tom's street. 2 of them are made of wood. _____ houses are not made of wood.

- (9) Jack had 23 cents. He spent 21 cents. He had _____ cents left.

- (10) James had 4 pet rabbits. He bought 6 more. Now he has _____ rabbits.

- (11) Joe found 7 eggs but he broke 1. There were _____ eggs not broken.

- (12) Ted bought a top for 5 cents. He had a dime. How much did he have left? _____ cents.

- (13) John bought some apples for 8 cents. He gave the man a dime. How much change did John get? _____ cents.

- (14) Jim had 26 cents. He spent 15 cents for popcorn. He had _____ cents left.

- (15) There were 26 peaches on a tree. 2 of them blew off. _____ peaches were still on the tree.

Vocabulary, Addition, Subtraction

Draw a ring around the right answer.
(See number one.)

(1) Add	—	⊕	×	=
(2) Subtract	+	=	—	×
(3) Subtraction	=	×	—	+
(4) Less	+	—	=	×
(5) Take away	×	=	+	—
(6) Equals	=	+	×	—
(7) Sum	=	+	—	×
(8) Difference	—	+	=	×
(9) Zero	0	=	1	×
(10) Cent	1	2	3	4
(11) Nickel	5	6	4	7
(12) Dime	9	5	10	2
(13) Quarter	20	25	15	10
(14) Addition	—	=	+	×

Find the sums.

$\begin{array}{r} 2 \\ 7 \\ \hline 0 \end{array}$	$\begin{array}{r} 3 \\ 0 \\ \hline 4 \end{array}$	$\begin{array}{r} 5 \\ 0 \\ \hline 3 \end{array}$
---	---	---

$\begin{array}{r} 0 \\ 7 \\ \hline 3 \end{array}$	$\begin{array}{r} 9 \\ 0 \\ \hline 2 \end{array}$	$\begin{array}{r} 7 \\ 4 \\ \hline 0 \end{array}$
---	---	---

$\begin{array}{r} 8 \\ 0 \\ \hline 2 \end{array}$	$\begin{array}{r} 0 \\ 6 \\ \hline 5 \end{array}$	$\begin{array}{r} 4 \\ 0 \\ \hline 5 \end{array}$
---	---	---

$\begin{array}{r} 83 \\ 30 \\ \hline \end{array}$	$\begin{array}{r} 73 \\ 42 \\ \hline \end{array}$	$\begin{array}{r} 70 \\ 39 \\ \hline \end{array}$
---	---	---

Find the remainders.

$\begin{array}{r} 76 \\ 60 \\ \hline \end{array}$	$\begin{array}{r} 59 \\ 20 \\ \hline \end{array}$	$\begin{array}{r} 97 \\ 50 \\ \hline \end{array}$	$\begin{array}{r} 83 \\ 40 \\ \hline \end{array}$
---	---	---	---

$\begin{array}{r} 96 \\ 26 \\ \hline \end{array}$	$\begin{array}{r} 74 \\ 14 \\ \hline \end{array}$	$\begin{array}{r} 82 \\ 32 \\ \hline \end{array}$	$\begin{array}{r} 91 \\ 11 \\ \hline \end{array}$
---	---	---	---

$\begin{array}{r} 9 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 80 \\ 10 \\ \hline \end{array}$	$\begin{array}{r} 98 \\ 68 \\ \hline \end{array}$	$\begin{array}{r} 85 \\ 50 \\ \hline \end{array}$
---	---	---	---

$\begin{array}{r} 90 \\ 70 \\ \hline \end{array}$	$\begin{array}{r} 82 \\ 22 \\ \hline \end{array}$	$\begin{array}{r} 77 \\ 57 \\ \hline \end{array}$	$\begin{array}{r} 84 \\ 64 \\ \hline \end{array}$
---	---	---	---

$\begin{array}{r} 65 \\ 41 \\ \hline \end{array}$	$\begin{array}{r} 94 \\ 11 \\ \hline \end{array}$	$\begin{array}{r} 64 \\ 55 \\ \hline \end{array}$
---	---	---

$\begin{array}{r} 70 \\ 30 \\ \hline \end{array}$	$\begin{array}{r} 63 \\ 50 \\ \hline \end{array}$	$\begin{array}{r} 68 \\ 31 \\ \hline \end{array}$
---	---	---

$\begin{array}{r} 85 \\ 23 \\ \hline \end{array}$	$\begin{array}{r} 43 \\ 70 \\ \hline \end{array}$	$\begin{array}{r} 74 \\ 24 \\ \hline \end{array}$
---	---	---

Review

(1) Write the numbers from 141 to 150.

141 142 143 144 145 146 147 148 149 150

(2) Write the numbers to 100 by tens.

10 20 30 40 50 60 70 80 90 100

Find the sums.

$\begin{array}{r} 5 \\ 5 \end{array}$	$\begin{array}{r} 7 \\ 4 \end{array}$	$\begin{array}{r} 8 \\ 3 \end{array}$	$\begin{array}{r} 6 \\ 4 \end{array}$	$\begin{array}{r} 7 \\ 3 \end{array}$	$\begin{array}{r} 9 \\ 2 \end{array}$	$\begin{array}{r} 6 \\ 5 \end{array}$
---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------

$\begin{array}{r} 59 \\ 30 \end{array}$	$\begin{array}{r} 70 \\ 10 \end{array}$	$\begin{array}{r} 34 \\ 70 \end{array}$	$\begin{array}{r} 10 \\ 97 \end{array}$	$\begin{array}{r} 50 \\ 60 \end{array}$	$\begin{array}{r} 81 \\ 30 \end{array}$	$\begin{array}{r} 75 \\ 43 \end{array}$
---	---	---	---	---	---	---

Find the remainders.

$\begin{array}{r} 10 \\ 5 \end{array}$	$\begin{array}{r} 11 \\ 6 \end{array}$	$\begin{array}{r} 11 \\ 9 \end{array}$	$\begin{array}{r} 11 \\ 4 \end{array}$	$\begin{array}{r} 10 \\ 9 \end{array}$	$\begin{array}{r} 10 \\ 8 \end{array}$	$\begin{array}{r} 10 \\ 7 \end{array}$
--	--	--	--	--	--	--

$\begin{array}{r} 107 \\ 52 \end{array}$	$\begin{array}{r} 118 \\ 43 \end{array}$	$\begin{array}{r} 118 \\ 97 \end{array}$	$\begin{array}{r} 109 \\ 40 \end{array}$	$\begin{array}{r} 116 \\ 25 \end{array}$	$\begin{array}{r} 98 \\ 18 \end{array}$	$\begin{array}{r} 75 \\ 50 \end{array}$
--	--	--	--	--	---	---

Write the answers.

(Watch the signs.)

(1) $7 - 7 =$

(2) $6 - 0 =$

(3) $5 + 0 =$

(4) $15 + 0 =$

(5) $8 - 8 =$

(6) $18 - 8 =$

(7) $28 - 8 =$

(8) Dick, Mary, James, and Harry played bean bag. Who won?..... The scores were as follows:

Dick	Mary	James	Harry
2	0	4	2
2	5	4	3
7	4	2	4
<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>

Perfect score is 38. My Score

Writing Numbers

The heavy black numbers are even numbers.
The light numbers are odd numbers.

0	10	20	30	40	50
1	11	21	31	41	51
2	12	22	32	42	52
3	13	23	33	43	53
4	14	24	34	44	54
5	15	25	35	45	55
6	16	26	36	46	56
7	17	27	37	47	57
8	18	28	38	48	58
9	19	29	39	49	59

(1) Draw a ring around each odd number above.

(2) Write the odd numbers to 21.

(3) Draw a ring around each even number below.

28	18	6	1
41	10	3	4
35	15	7	5
42	11	8	13

(4) Write the even numbers to 20.

(5) Write the even numbers from 30 to 38.

(6) Write the odd numbers from 1 to 19.

Write the answers.
(Watch the signs.)

(1) $9+2=$

(2) $9+0=$

(3) $9+1=$

(4) $9-0=$

(5) $9-2=$

(6) $9-9=$

(7) $9-4=$

(8) $11-6=$

(9) $7+3=$

(10) $10-2=$

(11) $10-9=$

(12) $7+4=$

(13) $8+3=$

(14) $2+8=$

(1) $4+6=$

(2) $14+6=$

(3) $24+6=$

(4) $7+4=$

(5) $17+4=$

(6) $27+4=$

(7) $9+1=$

(8) $19+1=$

(9) $29+1=$

(10) $10-5=$

(11) $20-5=$

(12) $30-5=$

(13) $11-2=$

(14) $21-2=$

Zeros

Add downward. Find the sums.

$$\begin{array}{r} 4 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 0 \\ \underline{6} \end{array}$$

$$\begin{array}{r} 0 \\ \underline{7} \end{array}$$

$$\begin{array}{r} 8 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 9 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 0 \\ \underline{3} \end{array}$$

$$\begin{array}{r} 0 \\ \underline{1} \end{array}$$

$$\begin{array}{r} 0 \\ \underline{2} \end{array}$$

$$\begin{array}{r} 2 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 6 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 0 \\ 2 \\ \underline{3} \end{array}$$

$$\begin{array}{r} 4 \\ 1 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 8 \\ 0 \\ \underline{1} \end{array}$$

$$\begin{array}{r} 1 \\ 0 \\ \underline{9} \end{array}$$

$$\begin{array}{r} 0 \\ 4 \\ \underline{4} \end{array}$$

$$\begin{array}{r} 7 \\ 0 \\ \underline{3} \end{array}$$

$$\begin{array}{r} 6 \\ 5 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 8 \\ 0 \\ \underline{3} \end{array}$$

$$\begin{array}{r} 0 \\ 9 \\ \underline{2} \end{array}$$

$$\begin{array}{r} 7 \\ 0 \\ \underline{4} \end{array}$$

Find the remainders.

$$\begin{array}{r} 8 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 9 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 4 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 2 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 6 \\ \underline{0} \end{array}$$

$$\begin{array}{r} 87 \\ \underline{10} \end{array}$$

$$\begin{array}{r} 94 \\ \underline{40} \end{array}$$

$$\begin{array}{r} 86 \\ \underline{30} \end{array}$$

$$\begin{array}{r} 75 \\ \underline{50} \end{array}$$

$$\begin{array}{r} 31 \\ \underline{10} \end{array}$$

$$\begin{array}{r} 96 \\ \underline{65} \end{array}$$

$$\begin{array}{r} 97 \\ \underline{54} \end{array}$$

$$\begin{array}{r} 87 \\ \underline{46} \end{array}$$

$$\begin{array}{r} 25 \\ \underline{10} \end{array}$$

$$\begin{array}{r} 67 \\ \underline{41} \end{array}$$

$$\begin{array}{r} 117 \\ \underline{40} \end{array}$$

$$\begin{array}{r} 118 \\ \underline{80} \end{array}$$

$$\begin{array}{r} 114 \\ \underline{93} \end{array}$$

$$\begin{array}{r} 115 \\ \underline{34} \end{array}$$

$$\begin{array}{r} 48 \\ \underline{30} \end{array}$$

Write the answers.

$$(1) 2+1=3$$

$$(13) 5+2=7$$

$$(2) 22+1=$$

$$(14) 15+2=$$

$$(3) 32+1=$$

$$(15) 25+2=$$

$$(4) 4+2=6$$

$$(16) 4+4=8$$

$$(5) 24+2=$$

$$(17) 14+4=$$

$$(6) 34+2=$$

$$(18) 24+4=$$

$$(7) 4+5=9$$

$$(19) 1+6=7$$

$$(8) 14+5=$$

$$(20) 11+6=$$

$$(9) 24+5=$$

$$(21) 21+6=$$

$$(10) 6+2=8$$

$$(22) 3+4=7$$

$$(11) 16+2=$$

$$(23) 13+4=$$

$$(12) 26+2=$$

$$(24) 23+4=$$

$$(1) 1+0=$$

$$0+1=$$

$$(2) 2+0=$$

$$0+2=$$

$$(3) 3+0=$$

$$0+3=$$

$$(4) 4+0=$$

$$0+4=$$

$$(5) 5+0=$$

$$0+5=$$

$$(6) 6+0=$$

$$0+6=$$

$$(7) 7+0=$$

$$0+7=$$

$$(8) 8+0=$$

$$0+8=$$

$$(9) 9+0=$$

$$0+9=$$

$$(10) 9-0=$$

$$(14) 5-0=$$

$$(11) 8-0=$$

$$(15) 4-0=$$

$$(12) 7-0=$$

$$(16) 3-0=$$

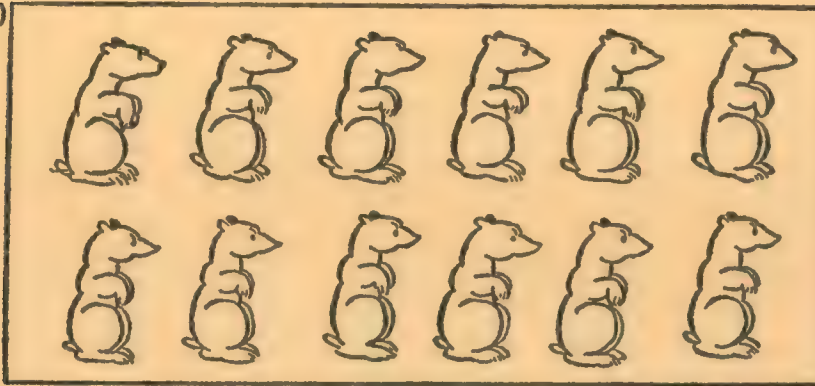
$$(13) 6-0=$$

$$(17) 1-0=$$

Number Facts About 12

The pictures will help you to find the answers.

(1)



6 and 6 are _____

$$\begin{array}{r} 6+6= \\ \quad 6 \\ \quad +6 \\ \hline \end{array}$$

$$\begin{array}{r} 12-6= \\ \quad 12 \\ \quad -6 \\ \hline \end{array}$$

(2)



7 and _____ are 12.

$$\begin{array}{r} 7+5= \\ \quad 7 \quad 5 \\ \quad +5 \quad +7 \\ \hline \end{array}$$

$$5+7=$$

$$\begin{array}{r} 12-7= \\ \quad 12 \quad 12 \\ \quad -7 \quad -5 \\ \hline \end{array}$$

$$12-5=$$

(3)



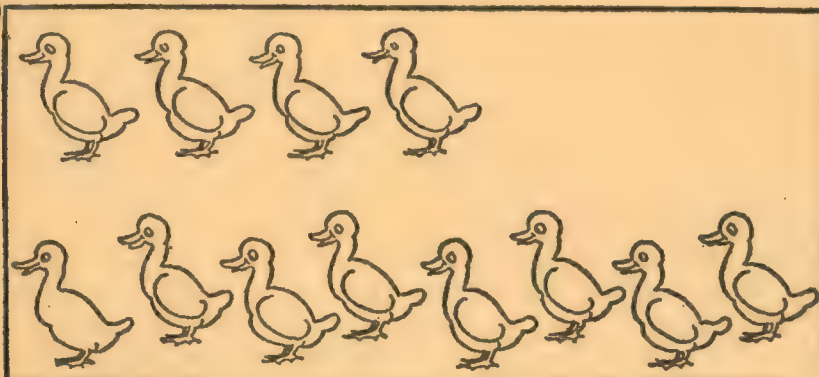
$$\begin{array}{r} 9+3= \\ \quad 9 \quad 3 \\ \quad +3 \quad +9 \\ \hline \end{array}$$

$$3+9=$$

$$\begin{array}{r} 12-9= \\ \quad 12 \quad 12 \\ \quad -9 \quad -3 \\ \hline \end{array}$$

$$12-3=$$

(4)



$$\begin{array}{r} 4+8= \\ \quad 4 \quad 8 \\ \quad +8 \quad +4 \\ \hline \end{array}$$

$$8+4=$$

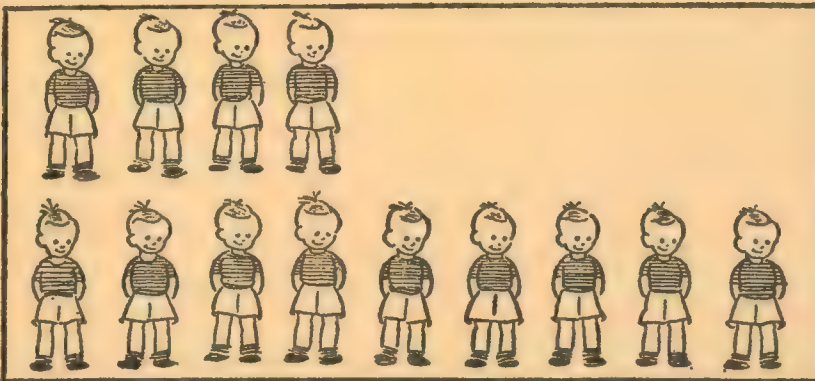
$$\begin{array}{r} 12-8= \\ \quad 12 \quad 12 \\ \quad -8 \quad -4 \\ \hline \end{array}$$

$$12-4=$$

Number Facts About 13

The pictures will help you find the answers.

(1)



$4+9=$

4

9

$+9$

$+4$

$9+4=$

$13-4=$

13

13

-4

-9

$13-9=$

(2)



$7+6=$

7

6

$+6$

$+7$

$6+7=$

$13-6=$

13

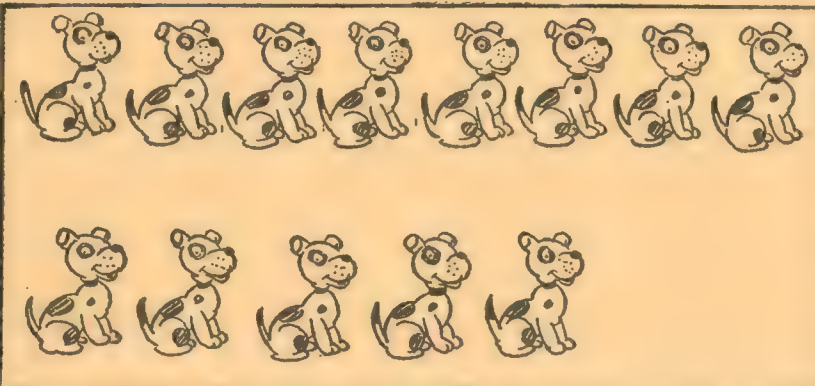
13

-7

-6

$13-7=$

(3)



$8+5=$

5

8

$+8$

$+5$

$5+8=$

$13-8=$

13

13

-8

-5

$13-5=$

Write the answers.

$$\begin{array}{r} 7 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -7 \\ \hline \end{array}$$

Perfect score is 17. My Score _____

Number Facts for 12 and 13



Write the answers.

$6+6=$	$12-6=$
$7+5=$	$12-7=$
$5+7=$	$12-5=$
$8+4=$	$12-8=$
$4+8=$	$12-4=$
$9+3=$	$12-9=$
$3+9=$	$12-3=$



Write the answers.

$8+5=$	$13-8=$
$5+8=$	$13-5=$
$7+6=$	$13-7=$
$6+7=$	$13-6=$
$9+4=$	$13-9=$
$4+9=$	$13-4=$

$$\begin{array}{r} 4 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -4 \\ \hline \end{array}$$

Find the sums.

$$\begin{array}{r} 64 \\ 65 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ 77 \\ \hline \end{array}$$

$$\begin{array}{r} 83 \\ 44 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ 47 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ 51 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ 51 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ 32 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ 92 \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ 62 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ 93 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ 70 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ 80 \\ \hline \end{array}$$

Find the remainders.

$$\begin{array}{r} 138 \\ 86 \\ \hline \end{array}$$

$$\begin{array}{r} 129 \\ 92 \\ \hline \end{array}$$

$$\begin{array}{r} 118 \\ 73 \\ \hline \end{array}$$

$$\begin{array}{r} 110 \\ 90 \\ \hline \end{array}$$

$$\begin{array}{r} 128 \\ 40 \\ \hline \end{array}$$

$$\begin{array}{r} 136 \\ 60 \\ \hline \end{array}$$

$$\begin{array}{r} 135 \\ 94 \\ \hline \end{array}$$

$$\begin{array}{r} 126 \\ 55 \\ \hline \end{array}$$

$$\begin{array}{r} 135 \\ 50 \\ \hline \end{array}$$

$$\begin{array}{r} 118 \\ 26 \\ \hline \end{array}$$

$$\begin{array}{r} 120 \\ 60 \\ \hline \end{array}$$

$$\begin{array}{r} 137 \\ 70 \\ \hline \end{array}$$

Addition and Subtraction

Find the sums. Add downward.

$$\begin{array}{r} 4 \\ 5 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 2 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 3 \\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 4 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 3 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 3 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 1 \\ 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 5 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 3 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 2 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ 41 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ 23 \\ \hline \end{array}$$

$$\begin{array}{r} 41 \\ 94 \\ \hline \end{array}$$

$$\begin{array}{r} 71 \\ 58 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ 84 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 69 \\ 70 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ 40 \\ \hline \end{array}$$

Find the remainders.

$$\begin{array}{r} 107 \\ 76 \\ \hline \end{array}$$

$$\begin{array}{r} 108 \\ 31 \\ \hline \end{array}$$

$$\begin{array}{r} 109 \\ 51 \\ \hline \end{array}$$

$$\begin{array}{r} 119 \\ 49 \\ \hline \end{array}$$

$$\begin{array}{r} 117 \\ 82 \\ \hline \end{array}$$

$$\begin{array}{r} 119 \\ 40 \\ \hline \end{array}$$

$$\begin{array}{r} 117 \\ 75 \\ \hline \end{array}$$

$$\begin{array}{r} 118 \\ 52 \\ \hline \end{array}$$

$$\begin{array}{r} 107 \\ 44 \\ \hline \end{array}$$

$$\begin{array}{r} 107 \\ 86 \\ \hline \end{array}$$

$$\begin{array}{r} 127 \\ 47 \\ \hline \end{array}$$

$$\begin{array}{r} 120 \\ 60 \\ \hline \end{array}$$

$$\begin{array}{r} 128 \\ 70 \\ \hline \end{array}$$

$$\begin{array}{r} 138 \\ 63 \\ \hline \end{array}$$

$$\begin{array}{r} 137 \\ 43 \\ \hline \end{array}$$

$$\begin{array}{r} 138 \\ 87 \\ \hline \end{array}$$

$$\begin{array}{r} 138 \\ 56 \\ \hline \end{array}$$

$$\begin{array}{r} 129 \\ 30 \\ \hline \end{array}$$

$$\begin{array}{r} 128 \\ 54 \\ \hline \end{array}$$

$$\begin{array}{r} 138 \\ 95 \\ \hline \end{array}$$

Write the answers.
(Watch the signs.)

(1) $12 - 6 =$

(2) $13 - 4 =$

(3) $11 - 2 =$

(4) $12 - 7 =$

(5) $13 - 9 =$

(6) $11 - 3 =$

(7) $12 - 8 =$

(8) $13 - 5 =$

(9) $11 - 4 =$

(10) $12 - 9 =$

(11) $13 - 6 =$

(12) $11 - 5 =$

(13) $13 - 7 =$

(14) $11 - 6 =$

(15) $13 - 8 =$

(1) $4 + 3 =$

(2) $14 + 3 =$

(3) $24 + 3 =$

(4) $8 + 4 =$

(5) $18 + 4 =$

(6) $28 + 4 =$

(7) $9 + 4 =$

(8) $19 + 4 =$

(9) $29 + 4 =$

(10) $39 + 4 =$

Using Numbers in Story Problems

Do these problems. Show how you work each one. (See number one.)

- (1) The baker made 6 orange cakes and 6 chocolate cakes. How many did he make in all? $\begin{array}{r} 6 \\ 6 \\ \hline 12 \end{array}$ cakes.

- (2) Joe lives 5 blocks from school. He walks _____ blocks in going to school and back.

- (3) Bess had 9 cents. Her mother gave her 1 cent more. Then her pennies were worth _____ nickels.

- (4) Harry made 13 airplane models. 9 of them would not fly. He has _____ airplanes that fly.

- (5) 7 boys and 6 girls were playing a game. There were _____ children in the game.

- (6) 12 boys had a snowball fight. 6 boys were on one side. There were _____ boys on the other side.

- (7) James had 13 papers. He sold 8 of them. He had _____ papers left.

- (8) Tom counted 20 camels and 35 elephants in the circus. He counted _____ animals.

- (9) Dick found 4 eggs, John found 5 eggs, and Joe found 2 eggs. Together they found _____ eggs.

- (10) Fred had 77 young chickens. 34 of them died. He had _____ chickens left.

- (11) We had 25 storybooks in our room. After Christmas we had 13 more. All together we have _____ books.

- (12) Paul bought a book for 36 cents and a pencil for 3 cents. He spent _____ cents.

- (13) Kate cut out 28 paper dolls. She gave 6 of them to Jane. She has _____ dolls now.

- (14) Joe's father drove 55 miles one morning and 72 miles in the afternoon. He drove _____ miles that day.

- (15) Don practiced 25 minutes in the morning and 32 minutes in the evening. In all he practiced _____ minutes.

Roman Numerals and Vocabulary

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
1	2	3	4	5	6	7	8	9	10	11	12

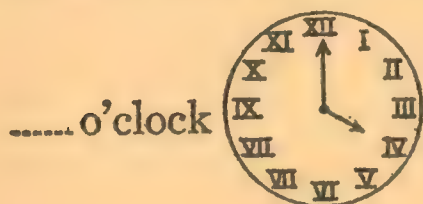
Write the answers.

II means 1+1 or _____
 I means _____
 V means _____
 X means _____
 IX means 10-1 or _____
 IV means 5-1 or _____
 VI means 5+1 or _____
 VIII means 5+3 or _____
 III means _____
 VII means 5+2 or _____
 XII means 10+2 or _____
 XI means 10+1 or _____

1. I
 2. _____
 3. _____
 4. _____
 5. _____
 6. _____
 7. _____
 8. _____
 9. _____
 10. _____
 11. _____
 12. _____

- (1) 11 minus 6 is _____
- (2) 12 minus 4 is _____
- (3) 11 minus 3 is _____
- (4) 12 minus 5 is _____
- (5) 13 minus 8 is _____
- (6) 11 minus 2 is _____
- (7) 12 minus 7 is _____
- (8) 12 minus 3 is _____
- (9) 13 minus 6 is _____
- (10) 10 less 5 is _____
- (11) 10 less 1 is _____
- (12) 13 less 9 is _____
- (13) 11 less 2 is _____
- (14) 10 less 4 is _____
- (15) 12 less 5 is _____

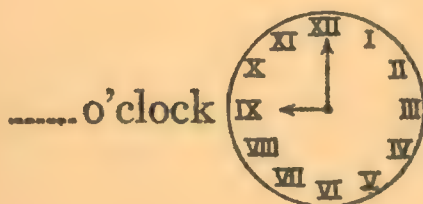
Complete each answer with the right number.



half past
 _____ o'clock



half past
 _____ o'clock



half past
 _____ o'clock



- (1) 4 plus 3 are _____
- (2) 9 plus 0 are _____
- (3) 8 plus 2 are _____
- (4) 9 plus 4 are _____
- (5) 6 plus 5 are _____
- (6) 7 plus 3 are _____
- (7) 8 plus 4 are _____
- (8) 9 plus 2 are _____
- (9) 6 plus 4 are _____
- (10) 2 plus 7 are _____
- (11) 3 plus 8 are _____
- (12) 5 plus 9 are _____
- (13) 6 plus 5 are _____

Using What You Have Learned

Do these problems. Show how you work each one.
(See number one.)

- (1) There were 6 little elephants and 7 big elephants in a circus. All together there were 13 elephants.
- (2) A train had 49 cars. 9 of them were box cars and the rest were coal cars. There were coal cars.
- (3) Harry had 13 marbles. After he lost 8 of them he had only marbles.
- (4) Peter Rabbit had 13 baby rabbits. 9 were black and the rest were gray. There were gray baby rabbits.
- (5) Sarah had 12 tickets to sell. She sold 8 of them. She had tickets left.
- (6) 11 boys were playing. 9 went home. boys went on playing.
- (7) Ruth is 11 years old. Jane is 7. Ruth is years older than Jane.
- (8) Joe read 13 pages in his book. Mary read 9 pages. Joe read pages more than Mary.
- (9) Mother baked 2 apple pies, 3 lemon pies, and 4 pumpkin pies for the picnic. She made pies.
- (10) A farmer had 80 apple trees. He planted 18 more. Then he had apple trees.

$$\begin{array}{r} 6 \\ +7 \\ \hline 13 \end{array}$$

Higher Decades

Write other members of each family below. (See the first four exercises as a sample.)

(1) $5+6=11$

(2) $15+6=21$

(3) $25+6=31$

(4) $35+6=41$

(5) $4+8=12$

(6)

(7)

(8)

(9) $2+9=11$

(10)

(11)

(12) $7+4=11$

(13)

(14)

Write other members of these families.

(1) $12-7=5$

(2) $22-7=15$

(3) $32-7=25$

(4)

(5)

(6) $12-9=3$

(7)

(8)

(9)

(10)

(11) $13-7=6$

(12)

(13)

Review

(1) Write the even numbers from 2 to 20.

.....

(2) Write the odd numbers from 1 to 21.

.....

Find the sums.

$\begin{array}{r} 4 \\ 3 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 5 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ 4 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ 0 \\ 7 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ 9 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ 3 \\ 5 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ 2 \\ 6 \\ \hline \end{array}$
--	--	--	--	--	--	--

$\begin{array}{r} 64 \\ 55 \\ \hline \end{array}$	$\begin{array}{r} 66 \\ 62 \\ \hline \end{array}$	$\begin{array}{r} 70 \\ 60 \\ \hline \end{array}$	$\begin{array}{r} 85 \\ 30 \\ \hline \end{array}$	$\begin{array}{r} 91 \\ 36 \\ \hline \end{array}$	$\begin{array}{r} 83 \\ 40 \\ \hline \end{array}$	$\begin{array}{r} 87 \\ 51 \\ \hline \end{array}$
---	---	---	---	---	---	---

Find the remainders.

$\begin{array}{r} 89 \\ 20 \\ \hline \end{array}$	$\begin{array}{r} 42 \\ 31 \\ \hline \end{array}$	$\begin{array}{r} 76 \\ 45 \\ \hline \end{array}$	$\begin{array}{r} 98 \\ 17 \\ \hline \end{array}$	$\begin{array}{r} 77 \\ 26 \\ \hline \end{array}$	$\begin{array}{r} 89 \\ 53 \\ \hline \end{array}$	$\begin{array}{r} 98 \\ 57 \\ \hline \end{array}$
---	---	---	---	---	---	---

$\begin{array}{r} 109 \\ 50 \\ \hline \end{array}$	$\begin{array}{r} 138 \\ 50 \\ \hline \end{array}$	$\begin{array}{r} 127 \\ 43 \\ \hline \end{array}$	$\begin{array}{r} 125 \\ 70 \\ \hline \end{array}$	$\begin{array}{r} 134 \\ 43 \\ \hline \end{array}$	$\begin{array}{r} 122 \\ 90 \\ \hline \end{array}$	$\begin{array}{r} 116 \\ 80 \\ \hline \end{array}$
--	--	--	--	--	--	--

Write the answers.
(Watch the signs.)

- (1) $14 - 5 =$
- (2) $34 - 5 =$
- (3) $64 - 5 =$
- (4) $9 + 3 =$
- (5) $29 + 3 =$
- (6) $49 + 3 =$
- (7) $7 + 4 =$

Do these problems. Show how you work each one.

- (1) Mr. Smith bought 16 gallons of gasoline. He used 6 gallons on a drive. He then had gallons in his car.
- (2) Mother used 3 eggs out of a dozen. There were eggs left.
- (3) Jack had 13 tickets to sell. He sold 6 of them. He must sell more tickets.

Writing Numbers to 999

(1) Write the numbers for these words:

one seven five
 ten six nine
 three four two

(2) What comes just after 16?

(3) What comes just after 19?

(4) What comes just before 12?

(5) What comes just before 15?

(6) What comes just before 14?

(7) Write the even numbers from 2 to 20.

(8) Write the odd numbers from 1 to 21.

Write these numbers:

(9) 100 to 109,

(10) 110 to 120,

(11) 121 to 129,

(12) 430 to 440,

(13) 345 to 369,

(14) 276 to 289,

(15) 943 to 958,

(1) Write the numbers for these Roman numerals.

III = VIII =

V = IX =

II = VI =

X = IV =

I = XII =

XI = VII =

(2) Write to 100 by tens.

.....

(3) Write to 50 by fives.

.....

(4) Write the missing numbers in each column.

301 510 758

.....

.....

.....

.....

.....

.....

.....

.....

310 519 767

Zeros

Find the sums.

$\begin{array}{r} 1 \\ +0 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ +0 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ +6 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ +8 \\ \hline \end{array}$
--	--	--	--

$\begin{array}{r} 86 \\ +20 \\ \hline \end{array}$	$\begin{array}{r} 90 \\ +29 \\ \hline \end{array}$	$\begin{array}{r} 70 \\ +32 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ +40 \\ \hline \end{array}$
--	--	--	--

Find the remainders.

$\begin{array}{r} 6 \\ -0 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ -0 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ -0 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ -0 \\ \hline \end{array}$
--	--	--	--

$\begin{array}{r} 1 \\ -0 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ -0 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ -0 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ -0 \\ \hline \end{array}$
--	--	--	--

$\begin{array}{r} 9 \\ -9 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ -8 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ -4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ -3 \\ \hline \end{array}$
--	--	--	--

$\begin{array}{r} 5 \\ -5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ -6 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ -2 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ -7 \\ \hline \end{array}$
--	--	--	--

$\begin{array}{r} 98 \\ -10 \\ \hline \end{array}$	$\begin{array}{r} 76 \\ -20 \\ \hline \end{array}$	$\begin{array}{r} 45 \\ -30 \\ \hline \end{array}$	$\begin{array}{r} 89 \\ -27 \\ \hline \end{array}$
--	--	--	--

$\begin{array}{r} 97 \\ -37 \\ \hline \end{array}$	$\begin{array}{r} 44 \\ -34 \\ \hline \end{array}$	$\begin{array}{r} 75 \\ -25 \\ \hline \end{array}$	$\begin{array}{r} 66 \\ -56 \\ \hline \end{array}$
--	--	--	--

Higher Decades

Write other members of each family below. (See the first four exercises as a sample.)

(1) $6 + 6 = 12$ (15) $8 + 4 = 12$

(2) $16 + 6 = 22$ (16)

(3) $26 + 6 = 32$ (17)

(4) $36 + 6 = 42$ (18)

(5) $8 + 5 = 13$ (19) $9 + 3 = 12$

(6) $18 + 5 =$ (20)

(7) $28 + 5 =$ (21)

(8) $38 + 5 =$ (22)

(9) $7 + 6 = 13$ (23) $7 + 5 = 12$

(10) $17 + 6 =$ (24)

(11) $27 + 6 =$ (25)

(12) $9 + 4 = 13$ (26) $8 + 3 = 11$

(13) $19 + 4 =$ (27)

(14) $29 + 4 =$ (28)

Write other members of these families.

(1) $13 - 9 = 4$ (15) $13 - 6 = 7$

(2) $23 - 9 = 14$ (16)

(3) $33 - 9 = 24$ (17)

(4) $43 - 9 =$ (18)

(5) $53 - 9 =$ (19)

(6) $12 - 8 = 4$ (20) $12 - 9 = 3$

(7) $22 - 8 =$ (21)

(8) $32 - 8 =$ (22)

(9) $42 - 8 =$ (23)

(10) $52 - 8 =$ (24)

(11) $13 - 5 = 8$ (25) $12 - 3 = 9$

(12) $23 - 5 =$ (26)

(13) $33 - 5 =$ (27)

(14) $43 - 5 =$ (28)

Number Facts About 14

The pictures will help you to find the answers.

(1)



$7+7=$

$$\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$$

$14-7=$

$$\begin{array}{r} 14 \\ -7 \\ \hline \end{array}$$

(2)



$5+9=$

$$\begin{array}{r} 5 \quad 9 \\ +9 \quad +5 \\ \hline \end{array}$$

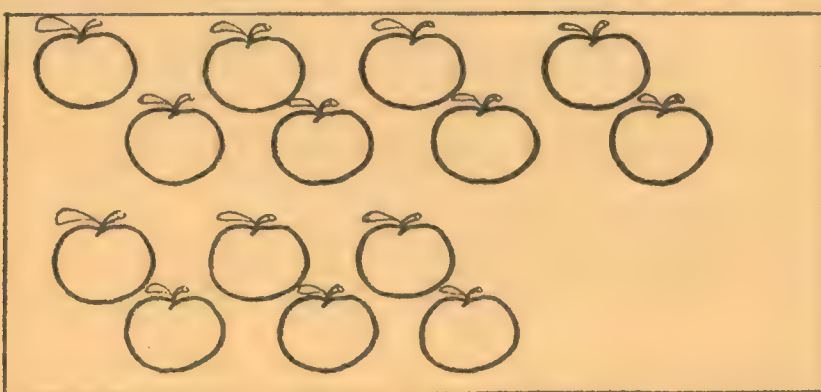
$9+5=$

$14-5=$

$$\begin{array}{r} 14 \quad 14 \\ -5 \quad -9 \\ \hline \end{array}$$

$14-9=$

(3)



$8+6=$

$$\begin{array}{r} 8 \quad 6 \\ +6 \quad +8 \\ \hline \end{array}$$

$6+8=$

$14-8=$

$$\begin{array}{r} 14 \quad 14 \\ -8 \quad -6 \\ \hline \end{array}$$

$14-6=$

Write the answers. Watch the signs.

$$\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ +80 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 93 \\ +53 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ +73 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ -9 \\ \hline \end{array}$$

Number Facts for 14 and 15



Write the answers.

$7+7=$	$14-7=$
$8+6=$	$14-8=$
$6+8=$	$14-6=$
$9+5=$	$14-9=$
$5+9=$	$14-5=$



Write the answers.

$9+6=$	$15-9=$
$6+9=$	$15-6=$
$8+7=$	$15-8=$
$7+8=$	$15-7=$

Find these answers.

$\begin{array}{r} 15 \\ -6 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ -4 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ -7 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ -8 \\ \hline \end{array}$
---	---	---	---

$\begin{array}{r} 14 \\ -9 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ -9 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ -6 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ -7 \\ \hline \end{array}$
---	---	---	---

Find the sums.

$\begin{array}{r} 53 \\ 66 \\ \hline \end{array}$	$\begin{array}{r} 64 \\ 84 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ 76 \\ \hline \end{array}$
---	---	---

$\begin{array}{r} 95 \\ 63 \\ \hline \end{array}$	$\begin{array}{r} 92 \\ 37 \\ \hline \end{array}$	$\begin{array}{r} 94 \\ 40 \\ \hline \end{array}$
---	---	---

$\begin{array}{r} 54 \\ 93 \\ \hline \end{array}$	$\begin{array}{r} 71 \\ 88 \\ \hline \end{array}$	$\begin{array}{r} 60 \\ 90 \\ \hline \end{array}$
---	---	---

$\begin{array}{r} 81 \\ 47 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ 55 \\ \hline \end{array}$	$\begin{array}{r} 85 \\ 54 \\ \hline \end{array}$
---	---	---

Find the remainders.

$\begin{array}{r} 124 \\ 83 \\ \hline \end{array}$	$\begin{array}{r} 135 \\ 55 \\ \hline \end{array}$	$\begin{array}{r} 144 \\ 50 \\ \hline \end{array}$
--	--	--

$\begin{array}{r} 152 \\ 91 \\ \hline \end{array}$	$\begin{array}{r} 134 \\ 62 \\ \hline \end{array}$	$\begin{array}{r} 149 \\ 66 \\ \hline \end{array}$
--	--	--

$\begin{array}{r} 117 \\ 46 \\ \hline \end{array}$	$\begin{array}{r} 127 \\ 35 \\ \hline \end{array}$	$\begin{array}{r} 158 \\ 82 \\ \hline \end{array}$
--	--	--

$\begin{array}{r} 155 \\ 63 \\ \hline \end{array}$	$\begin{array}{r} 146 \\ 80 \\ \hline \end{array}$	$\begin{array}{r} 137 \\ 47 \\ \hline \end{array}$
--	--	--

Addition and Subtraction

Find the sums. Add downward.

$\begin{array}{r} 2 \\ 3 \\ \hline 5 \end{array}$	$\begin{array}{r} 4 \\ 3 \\ \hline 3 \end{array}$	$\begin{array}{r} 3 \\ 3 \\ \hline 4 \end{array}$	$\begin{array}{r} 4 \\ 4 \\ \hline 2 \end{array}$	$\begin{array}{r} 2 \\ 3 \\ \hline 4 \end{array}$
---	---	---	---	---

$\begin{array}{r} 4 \\ 3 \\ \hline 2 \end{array}$	$\begin{array}{r} 8 \\ 0 \\ \hline 2 \end{array}$	$\begin{array}{r} 9 \\ 2 \\ \hline 0 \end{array}$	$\begin{array}{r} 4 \\ 4 \\ \hline 3 \end{array}$	$\begin{array}{r} 5 \\ 2 \\ \hline 4 \end{array}$
---	---	---	---	---

$\begin{array}{r} 90 \\ 48 \\ \hline \end{array}$	$\begin{array}{r} 74 \\ 74 \\ \hline \end{array}$	$\begin{array}{r} 93 \\ 53 \\ \hline \end{array}$	$\begin{array}{r} 67 \\ 92 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ 84 \\ \hline \end{array}$
---	---	---	---	---

$\begin{array}{r} 65 \\ 81 \\ \hline \end{array}$	$\begin{array}{r} 84 \\ 53 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ 62 \\ \hline \end{array}$	$\begin{array}{r} 91 \\ 31 \\ \hline \end{array}$	$\begin{array}{r} 70 \\ 50 \\ \hline \end{array}$
---	---	---	---	---

Find the remainders.

$\begin{array}{r} 108 \\ 22 \\ \hline \end{array}$	$\begin{array}{r} 117 \\ 23 \\ \hline \end{array}$	$\begin{array}{r} 129 \\ 54 \\ \hline \end{array}$	$\begin{array}{r} 136 \\ 42 \\ \hline \end{array}$	$\begin{array}{r} 145 \\ 73 \\ \hline \end{array}$
--	--	--	--	--

$\begin{array}{r} 155 \\ 64 \\ \hline \end{array}$	$\begin{array}{r} 144 \\ 64 \\ \hline \end{array}$	$\begin{array}{r} 130 \\ 50 \\ \hline \end{array}$	$\begin{array}{r} 123 \\ 40 \\ \hline \end{array}$	$\begin{array}{r} 119 \\ 32 \\ \hline \end{array}$
--	--	--	--	--

$\begin{array}{r} 157 \\ 75 \\ \hline \end{array}$	$\begin{array}{r} 137 \\ 63 \\ \hline \end{array}$	$\begin{array}{r} 126 \\ 32 \\ \hline \end{array}$	$\begin{array}{r} 148 \\ 95 \\ \hline \end{array}$	$\begin{array}{r} 119 \\ 47 \\ \hline \end{array}$
--	--	--	--	--

$\begin{array}{r} 106 \\ 35 \\ \hline \end{array}$	$\begin{array}{r} 157 \\ 81 \\ \hline \end{array}$	$\begin{array}{r} 108 \\ 46 \\ \hline \end{array}$	$\begin{array}{r} 158 \\ 97 \\ \hline \end{array}$	$\begin{array}{r} 109 \\ 68 \\ \hline \end{array}$
--	--	--	--	--

Write these answers.
(Watch the signs.)

(1) $14 - 7 =$

(2) $24 - 7 =$

(3) $44 - 7 =$

(4) $9 + 6 =$

(5) $19 + 6 =$

(6) $29 + 6 =$

(7) $39 + 6 =$

(8) $15 - 8 =$

(9) $25 - 8 =$

(10) $35 - 8 =$

(11) $45 - 8 =$

(12) $8 + 6 =$

(13) $18 + 6 =$

(14) $28 + 6 =$

(15) $38 + 6 =$

(1) $12 - 8 =$

(2) $22 - 8 =$

(3) $32 - 8 =$

(4) $52 - 8 =$

(5) $6 + 7 =$

(6) $16 + 7 =$

(7) $36 + 7 =$

(8) $13 - 5 =$

(9) $23 - 5 =$

(10) $33 - 5 =$

Using Numbers in Story Problems

Do these problems. Show how you work each one.
(See number one.)

(1) Jack caught 14 fish but 14
he gave away 5 of them. $\begin{array}{r} -5 \\ \hline \end{array}$
He had 9 fish left. 9

(2) There are 12 months in a year. 4 of them have passed. There are _____ months left in the year.

(3) 11 girls were jumping rope. 2 of them went home. _____ girls were left.

(4) Mr. Smith bought 15 gallons of gasoline. He used 7 gallons on a long drive. He then had _____ gallons in his car.

(5) Mother used 3 eggs out of a dozen. There were _____ eggs then.

(6) Jack had 13 tickets to sell. He sold 6 of them. He must sell _____ more tickets.

(7) 17 boys were playing hide-and-seek. 8 were caught. _____ boys were not caught.

(8) Ralph had 14 marbles. He gave 8 of them to Joe. He had _____ marbles left.

(9) An old hen had 15 baby chicks. 6 of them were black and _____ of them were yellow.

(10) Jane had 11 spelling words to learn. 9 of them were review words. How many were new words? _____ new words.

(11) Paul had 11 eggs. 2 of them were cracked. He had _____ good eggs to sell.

(12) Fred had 53 cents. He spent 7 cents for candy. He then had _____ cents.

(13) Joe saved 15 dollars. He spent 9 dollars to go to the city. He then had _____ dollars left.

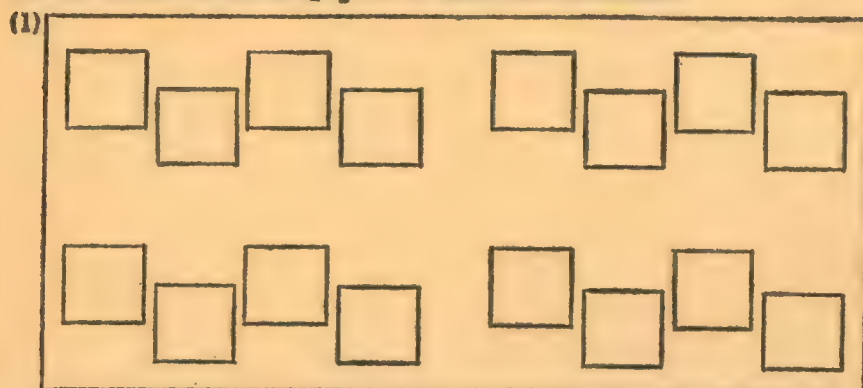
(14) Charles had 12 ducks and 7 geese. He had _____ more ducks than geese.

(15) Seven boys and 8 girls were playing circus. _____ children were in the circus.

(16) Helen has 9 yellow chickens and 3 black ones. She has _____ chickens.

Number Facts About 16 and 17

The pictures will help you to find the answers.

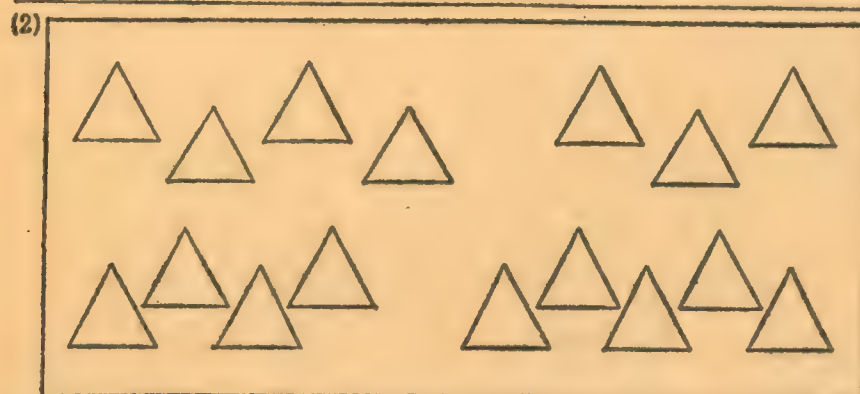


$8+8=$

$$\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$$

$16-8=$

$$\begin{array}{r} 16 \\ -8 \\ \hline \end{array}$$



$7+9=$

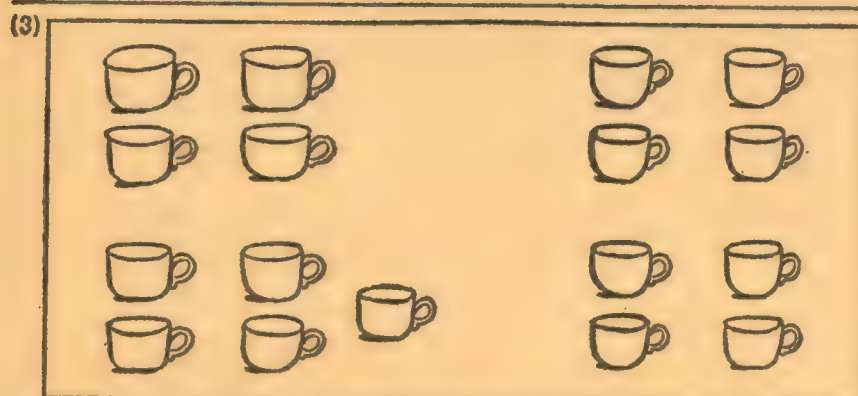
$$\begin{array}{r} 7 \quad 9 \\ +9 \quad +7 \\ \hline \end{array}$$

$9+7=$

$16-7=$

$$\begin{array}{r} 16 \quad 16 \\ -7 \quad -9 \\ \hline \end{array}$$

$16-9=$



$8+9=$

$$\begin{array}{r} 8 \quad 9 \\ +9 \quad +8 \\ \hline \end{array}$$

$9+8=$

$17-8=$

$$\begin{array}{r} 17 \quad 17 \\ -8 \quad -9 \\ \hline \end{array}$$

$17-9=$

Write the answers. Watch the signs.

$\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ +5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ +4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ +3 \\ \hline \end{array}$
$\begin{array}{r} 8 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ -8 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ +9 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ -9 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ -8 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ +7 \\ \hline \end{array}$
$\begin{array}{r} 17 \\ -9 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ -9 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ +8 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ -6 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ -7 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ -8 \\ \hline \end{array}$

Number Facts for 16, 17, 18

Learn these facts if you do not know them.

$8+8=16$

$16-8=8$

$9+9=18$

$18-9=9$

$9+7=16$

$16-9=7$

$9+8=17$

$17-9=8$

$7+9=16$

$16-7=9$

$8+9=17$

$17-8=9$

Find the sums.

$$\begin{array}{r} 82 \\ 80 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ 60 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ 75 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ 55 \\ \hline \end{array}$$

$$\begin{array}{r} 95 \\ 93 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ 76 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ 74 \\ \hline \end{array}$$

$$\begin{array}{r} 96 \\ 63 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ 62 \\ \hline \end{array}$$

$$\begin{array}{r} 91 \\ 58 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ 97 \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ 63 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ 50 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ 40 \\ \hline \end{array}$$

$$\begin{array}{r} 94 \\ 42 \\ \hline \end{array}$$

Find the remainders.

$$\begin{array}{r} 168 \\ 80 \\ \hline \end{array}$$

$$\begin{array}{r} 184 \\ 93 \\ \hline \end{array}$$

$$\begin{array}{r} 147 \\ 77 \\ \hline \end{array}$$

$$\begin{array}{r} 129 \\ 65 \\ \hline \end{array}$$

$$\begin{array}{r} 104 \\ 64 \\ \hline \end{array}$$

$$\begin{array}{r} 156 \\ 65 \\ \hline \end{array}$$

$$\begin{array}{r} 175 \\ 92 \\ \hline \end{array}$$

$$\begin{array}{r} 164 \\ 92 \\ \hline \end{array}$$

$$\begin{array}{r} 160 \\ 70 \\ \hline \end{array}$$

$$\begin{array}{r} 173 \\ 80 \\ \hline \end{array}$$

$$\begin{array}{r} 138 \\ 75 \\ \hline \end{array}$$

$$\begin{array}{r} 146 \\ 80 \\ \hline \end{array}$$

$$\begin{array}{r} 128 \\ 97 \\ \hline \end{array}$$

$$\begin{array}{r} 149 \\ 68 \\ \hline \end{array}$$

$$\begin{array}{r} 130 \\ 40 \\ \hline \end{array}$$

Write these answers.

(Watch the signs.)

(1) $18-9=$

(2) $28-9=$

(3) $38-9=$

(4) $58-9=$

(5) $16-8=$

(6) $26-8=$

(7) $46-8=$

(8) $17-9=$

(9) $27-9=$

(10) $37-9=$

(11) $47-9=$

(12) $57-9=$

(1) $9+7=$

(2) $19+7=$

(3) $29+7=$

(4) $49+7=$

(5) $5+9=$

(6) $15+9=$

(7) $25+9=$

(8) $9+8=$

(9) $19+8=$

(10) $29+8=$

Measurement

Draw and mark the lines in inches and half inches. (See Number 1.)

(1) 3 inches.



(2) 1 inch

(3) $3\frac{1}{2}$ inches

(4) $2\frac{1}{2}$ inches

(5) $1\frac{1}{2}$ inches

(6) This line is _____ inches long.

(7) This line is _____ inches long.

(8) This line is _____ inches long.

(9) This line is _____ inches long.

(10) Write the numbers for these words:

two _____ seven _____ ten _____

five _____ four _____ three _____

six _____ eight _____ nine _____

(11) Write the even numbers from 2 to 20. _____

(12) Write the numbers from 200 to 211. _____

Write the correct sign connected with each word below.

(1) Subtract

(2) Sum

(3) Remainder

(4) Add

(5) Take away

(6) Plus

(7) Addition

(8) Less

(9) Subtraction

(10) Zero

Write the correct Roman numeral for each number and the meaning of each Roman numeral. (See number 1.)

(1) 7 VII means $5+2$.

(2) 6 _____ means _____.

(3) 4 _____ means _____.

(4) 2 _____ means _____.

(5) 3 _____ means _____.

(6) 9 _____ means _____.

(7) 4 _____ means _____.

(8) 10 _____ means _____.

(9) 11 _____ means _____.

(10) 5 _____ means _____.

(11) 12 _____ means _____.

(12) 8 _____ means _____.

(13) 13 _____ means _____.

(14) 14 _____ means _____.

(15) 15 _____ means _____.

Review

Find the sums. Add downward.

$\begin{array}{r} 2 \\ 1 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 3 \\ 0 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ 3 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 3 \\ 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 2 \\ 6 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 5 \\ 7 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 4 \\ 8 \\ \hline \end{array}$
--	--	--	--	--	--	--

$\begin{array}{r} 2 \\ 7 \\ 9 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 3 \\ 6 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 3 \\ 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 4 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ 3 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ 0 \\ 9 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ 0 \\ 7 \\ \hline \end{array}$
--	--	--	--	--	--	--

$\begin{array}{r} 63 \\ 34 \\ \hline \end{array}$	$\begin{array}{r} 64 \\ 55 \\ \hline \end{array}$	$\begin{array}{r} 92 \\ 80 \\ \hline \end{array}$	$\begin{array}{r} 83 \\ 73 \\ \hline \end{array}$	$\begin{array}{r} 70 \\ 90 \\ \hline \end{array}$	$\begin{array}{r} 94 \\ 90 \\ \hline \end{array}$	$\begin{array}{r} 83 \\ 82 \\ \hline \end{array}$
---	---	---	---	---	---	---

Find the remainders.

$\begin{array}{r} 16 \\ 9 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ 6 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ 8 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ 6 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ 7 \\ \hline \end{array}$	$\begin{array}{r} 18 \\ 9 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ 5 \\ \hline \end{array}$
--	--	--	--	--	--	--

$\begin{array}{r} 128 \\ 46 \\ \hline \end{array}$	$\begin{array}{r} 137 \\ 42 \\ \hline \end{array}$	$\begin{array}{r} 179 \\ 99 \\ \hline \end{array}$	$\begin{array}{r} 164 \\ 80 \\ \hline \end{array}$	$\begin{array}{r} 153 \\ 83 \\ \hline \end{array}$	$\begin{array}{r} 187 \\ 96 \\ \hline \end{array}$	$\begin{array}{r} 160 \\ 70 \\ \hline \end{array}$
--	--	--	--	--	--	--

Write these answers.
(Watch the signs.)

- (1) $8+6=$
- (2) $38+6=$
- (3) $8+9=$
- (4) $18+9=$
- (5) $16-7=$
- (6) $26-7=$
- (7) $46-7=$

Work these problems. Show how you do each one.

- (8) There were 8 old ducks and 9 baby ducks on the pond. 17 ducks were swimming on the pond.
- (9) Joe read 4 books and Jack read 8. Together they read 12 books.
- (10) Tom had 11 kites. The wind tore up 2 of them. He still has 9 kites.

Telling Time

Write the time below each clock. (See the first clock.)



7:00

7 o'clock



3:00

3 o'clock



10:00

10 o'clock



5:00

5 o'clock



6:00

6 o'clock



_____ o'clock



half past

_____ o'clock



half past

_____ o'clock



half past

_____ o'clock



half past

_____ o'clock

Write the time below each clock. (See the first clock.)



9:00

9 o'clock



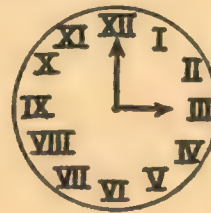
9:00

9 o'clock



12:00

12 o'clock



3:00

3 o'clock



11:00

11 o'clock



half past

_____ o'clock



half past

_____ o'clock



half past

_____ o'clock



half past

_____ o'clock



half past

_____ o'clock

Counting and Writing Numbers

(1) Write the missing numbers as you count to 100.

1	11	21	31	41	51	61	71	81	91
2	12	22	-----	-----	-----	-----	-----	-----	-----
3	13	23	-----	-----	-----	-----	-----	-----	-----
4	14	-----	-----	-----	-----	-----	-----	-----	-----
5	-----	-----	-----	-----	-----	-----	-----	-----	-----
6	-----	-----	-----	-----	-----	-----	-----	-----	-----
7	-----	-----	-----	-----	-----	-----	-----	-----	-----
8	-----	-----	-----	-----	-----	-----	-----	-----	-----
9	-----	-----	-----	-----	-----	-----	-----	-----	-----
10	-----	-----	-----	-----	-----	-----	-----	-----	-----

(2) Begin with 10, 20, and count to 100 by 10's. Write the numbers.

(3) Begin with 5, 10, 15 and count to 100 by 5's. Write the numbers.

(4) Begin with 2, 4, 6, and count to 20 by 2's. Write the numbers.

(5) Write the missing numbers below:

101	-----	-----	-----	105	221	-----	-----	-----	225
111	-----	-----	-----	115	467	-----	-----	-----	471
174	-----	-----	-----	178	852	-----	-----	-----	856

Easy Addition Facts and Problems



Write the missing numbers in these stories.

- (1) Here is _____ big rabbit.
 Here are _____ little rabbits.
 1 rabbit and 5 rabbits are _____ rabbits.
 1 and 5 are _____. $1 + 5 = \underline{\hspace{2cm}}$

- (2) There are _____ little black rabbits.
 There are _____ little white rabbits.
 2 rabbits and 3 rabbits are _____ rabbits.
 2 and 3 are _____. $2 + 3 = \underline{\hspace{2cm}}$

- (3) There are _____ black rabbits.
 There are _____ white rabbits.
 3 rabbits and 3 rabbits are _____ rabbits.
 3 and 3 are _____. $3 + 3 = \underline{\hspace{2cm}}$

- (4) Jane read 2 books one week.
 She read 2 books the next week.
 In 2 weeks Jane read _____ books.
 2 and 2 are _____. $2 + 2 = \underline{\hspace{2cm}}$

- (5) Ray had 4 tops. He bought 2 more.
 How many tops did he have then?
 Ray began with _____ tops. $\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$
 He bought _____ more. $\begin{array}{r} 2 \\ + 4 \\ \hline \end{array}$
 Then he had _____ tops.
 4 and 2 are _____.
 2 and 4 are _____.

Add:

$$\begin{array}{r} 1 \\ + 1 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ + 2 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ + 2 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 1 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ + 2 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ + 3 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 5 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ + 3 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ + 2 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 4 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ + 4 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ + 2 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ + 1 \\ \hline \end{array}$$

Add:

$$\begin{array}{r} 52 \\ + 11 \\ \hline \end{array} \quad \begin{array}{r} 32 \\ + 32 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ + 13 \\ \hline \end{array}$$

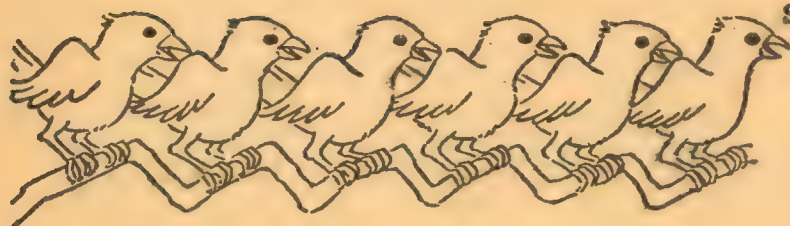
$$\begin{array}{r} 14 \\ + 12 \\ \hline \end{array} \quad \begin{array}{r} 23 \\ + 31 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ + 54 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ + 24 \\ \hline \end{array} \quad \begin{array}{r} 31 \\ + 33 \\ \hline \end{array} \quad \begin{array}{r} 23 \\ + 12 \\ \hline \end{array}$$

$$\begin{array}{r} 413 \\ + 212 \\ \hline \end{array} \quad \begin{array}{r} 132 \\ + 113 \\ \hline \end{array} \quad \begin{array}{r} 221 \\ + 345 \\ \hline \end{array}$$

$$\begin{array}{r} 521 \\ + 113 \\ \hline \end{array} \quad \begin{array}{r} 321 \\ + 322 \\ \hline \end{array} \quad \begin{array}{r} 143 \\ + 122 \\ \hline \end{array}$$

Easy Subtraction Facts and Problems



Subtract:

$$\begin{array}{r} 2 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -1 \\ \hline \end{array}$$

Write the missing numbers in these stories.

- (1) There are _____ birds in the tree.
2 birds fly away. How many are left? _____
6 birds take away 2 birds are _____ birds.
6 take away 2 are _____. $6 - 2 =$ _____

- (2) There are 6 birds. 3 birds fly away.
How many are left? _____ Cover 3 birds.
6 birds take away 3 birds are _____ birds.
6 take away 3 are _____. $6 - 3 =$ _____

- (3) Ray had 5 marbles. He lost 4 of them.
How many marbles did he have left? _____
5 take away 4 is _____. $5 - 4 =$ _____

- (4) Three children were playing. 2 went home.
How many children were left to play? _____
3 take away 2 is _____. $3 - 2 =$ _____

- (5) Jane has 5 dolls. She put 2 dolls to bed.
How many dolls were left? _____
5 take away 2 are _____. $5 - 2 =$ _____

- (6) Joe had 5 cents. He spent 4 cents.
He had _____ cent left. $5 - 4 =$ _____

- (7) Jack had 3 balls. He lost 2 balls.
He had _____ ball left. $3 - 2 =$ _____

$$\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

Subtract

$$\begin{array}{r} 42 \\ -21 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ -12 \\ \hline \end{array}$$

$$\begin{array}{r} 66 \\ -34 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ -32 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ -13 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ -24 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ -15 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ -12 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ -31 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ -22 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ -33 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ -44 \\ \hline \end{array}$$

$$\begin{array}{r} 66 \\ -25 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ -14 \\ \hline \end{array}$$

Addition and Subtraction



Write the missing numbers in these stories.

- (1) Ann has dolls.

There are boy dolls. $\begin{array}{r} 4 \\ 3 \end{array}$ $\begin{array}{r} 3 \\ 4 \end{array}$

There are girl dolls. $\begin{array}{r} 3 \\ 4 \end{array}$ $\begin{array}{r} 4 \\ 3 \end{array}$

4 dolls and 3 dolls are dolls.

4 and 3 are $4 + 3 = \underline{\hspace{2cm}}$

3 and 4 are $3 + 4 = \underline{\hspace{2cm}}$

- (2) There are dolls with hats.

There is doll with no hat.

6 dolls and 1 doll are dolls.

6 and 1 are $6 + 1 = \underline{\hspace{2cm}}$

1 and 6 are $1 + 6 = \underline{\hspace{2cm}}$

- (3) Color 2 dolls blue.

There are dolls not colored.

2 dolls and 5 dolls are dolls.

2 and 5 are $2 + 5 = \underline{\hspace{2cm}}$

5 and 2 are $5 + 2 = \underline{\hspace{2cm}}$

- (4) Cover up the girl dolls.

7 dolls take away 3 dolls are dolls.

7 take away 3 are $7 - 3 = \underline{\hspace{2cm}}$

7 take away 4 are $7 - 4 = \underline{\hspace{2cm}}$

- (5) Cover up the doll with no hat.

7 take away 1 are $7 - 1 = \underline{\hspace{2cm}}$

7 take away 6 is $7 - 6 = \underline{\hspace{2cm}}$

Number Families

Write the answers.

$4 + 2 = \underline{\hspace{2cm}}$

$3 + 3 = \underline{\hspace{2cm}}$

$14 + 2 = \underline{\hspace{2cm}}$

$13 + 3 = \underline{\hspace{2cm}}$

$24 + 2 = \underline{\hspace{2cm}}$

$23 + 3 = \underline{\hspace{2cm}}$

$34 + 2 = \underline{\hspace{2cm}}$

$33 + 3 = \underline{\hspace{2cm}}$

$44 + 2 = \underline{\hspace{2cm}}$

$43 + 3 = \underline{\hspace{2cm}}$

$5 - 1 = \underline{\hspace{2cm}}$

$3 - 2 = \underline{\hspace{2cm}}$

$25 - 1 = \underline{\hspace{2cm}}$

$13 - 2 = \underline{\hspace{2cm}}$

$45 - 1 = \underline{\hspace{2cm}}$

$33 - 2 = \underline{\hspace{2cm}}$

$65 - 1 = \underline{\hspace{2cm}}$

$63 - 2 = \underline{\hspace{2cm}}$

$95 - 1 = \underline{\hspace{2cm}}$

$73 - 2 = \underline{\hspace{2cm}}$

Add:

$$\begin{array}{r} 31 \\ 21 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ 31 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ 11 \\ \hline \end{array}$$

$$\begin{array}{r} 342 \\ 415 \\ \hline \end{array}$$

$$\begin{array}{r} 526 \\ 231 \\ \hline \end{array}$$

$$\begin{array}{r} 214 \\ 563 \\ \hline \end{array}$$

Subtract:

$$\begin{array}{r} 673 \\ 442 \\ \hline \end{array}$$

$$\begin{array}{r} 753 \\ 241 \\ \hline \end{array}$$

$$\begin{array}{r} 745 \\ 132 \\ \hline \end{array}$$

$$\begin{array}{r} 757 \\ 632 \\ \hline \end{array}$$

$$\begin{array}{r} 776 \\ 342 \\ \hline \end{array}$$

$$\begin{array}{r} 767 \\ 554 \\ \hline \end{array}$$

Review

Test 1. Addition Facts

$$\begin{array}{r} 2 \\ 1 \end{array} \quad \begin{array}{r} 4 \\ 2 \end{array} \quad \begin{array}{r} 1 \\ 1 \end{array} \quad \begin{array}{r} 3 \\ 2 \end{array} \quad \begin{array}{r} 2 \\ 2 \end{array} \quad \begin{array}{r} 3 \\ 1 \end{array} \quad \begin{array}{r} 5 \\ 1 \end{array} \quad \begin{array}{r} 4 \\ 2 \end{array} \quad \begin{array}{r} 1 \\ 4 \end{array}$$

$$\begin{array}{r} 3 \\ 3 \end{array} \quad \begin{array}{r} 1 \\ 2 \end{array} \quad \begin{array}{r} 2 \\ 4 \end{array} \quad \begin{array}{r} 2 \\ 3 \end{array} \quad \begin{array}{r} 4 \\ 1 \end{array} \quad \begin{array}{r} 1 \\ 5 \end{array} \quad \begin{array}{r} 4 \\ 3 \end{array} \quad \begin{array}{r} 5 \\ 2 \end{array} \quad \begin{array}{r} 6 \\ 1 \end{array}$$

$$\begin{array}{r} 21 \\ 11 \end{array} \quad \begin{array}{r} 41 \\ 24 \end{array} \quad \begin{array}{r} 13 \\ 21 \end{array} \quad \begin{array}{r} 32 \\ 32 \end{array} \quad \begin{array}{r} 12 \\ 33 \end{array} \quad \begin{array}{r} 41 \\ 15 \end{array} \quad \begin{array}{r} 252 \\ 412 \end{array} \quad \begin{array}{r} 321 \\ 456 \end{array}$$

Test 2. Subtraction Facts

$$\begin{array}{r} 4 \\ 2 \end{array} \quad \begin{array}{r} 6 \\ 3 \end{array} \quad \begin{array}{r} 2 \\ 1 \end{array} \quad \begin{array}{r} 3 \\ 2 \end{array} \quad \begin{array}{r} 5 \\ 3 \end{array} \quad \begin{array}{r} 4 \\ 1 \end{array} \quad \begin{array}{r} 5 \\ 4 \end{array} \quad \begin{array}{r} 6 \\ 5 \end{array} \quad \begin{array}{r} 6 \\ 4 \end{array}$$

$$\begin{array}{r} 3 \\ 1 \end{array} \quad \begin{array}{r} 5 \\ 2 \end{array} \quad \begin{array}{r} 4 \\ 3 \end{array} \quad \begin{array}{r} 6 \\ 2 \end{array} \quad \begin{array}{r} 6 \\ 1 \end{array} \quad \begin{array}{r} 5 \\ 1 \end{array} \quad \begin{array}{r} 7 \\ 4 \end{array} \quad \begin{array}{r} 7 \\ 6 \end{array} \quad \begin{array}{r} 7 \\ 2 \end{array}$$

$$\begin{array}{r} 63 \\ 21 \end{array} \quad \begin{array}{r} 45 \\ 32 \end{array} \quad \begin{array}{r} 23 \\ 12 \end{array} \quad \begin{array}{r} 45 \\ 14 \end{array} \quad \begin{array}{r} 54 \\ 12 \end{array} \quad \begin{array}{r} 65 \\ 53 \end{array} \quad \begin{array}{r} 667 \\ 345 \end{array} \quad \begin{array}{r} 757 \\ 143 \end{array}$$

Test 3. Writing Numbers

- (1) Write the numbers from 11 to 16.

- (2) Write the numbers from 220 to 225.

- (3) Write the numbers from 701 to 706.

Test 4. Problems

- (1) Joe had 7 cents. He lost 5 cents.
He had _____ cents left.

- (2) Jack read 4 books this week and 3 books last week. Jack read _____ books in 2 weeks.

- (3) Dick had 6 cats and 4 of them ran away. He had _____ cats left.

Number Facts About 8 and 9

(1)

★ ★ ★
★ ★

★ ★
★

$$\begin{array}{r} 5+3= \\ 3+5= \\ 8-5= \\ 8-3= \end{array} \quad \begin{array}{r} 5 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ +5 \\ \hline \end{array}$$

(2)

★
★ ★
★

★
★ ★
★

$$\begin{array}{r} 4+4= \\ 8-4= \end{array} \quad \begin{array}{r} 4 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -4 \\ \hline \end{array}$$

(3)

★ ★ ★
★ ★ ★

★
★

$$\begin{array}{r} 6+2= \\ 2+6= \\ 8-2= \\ 8-6= \end{array} \quad \begin{array}{r} 6 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -6 \\ \hline \end{array}$$

(4)

★

★ ★ ★
★
★ ★ ★

$$\begin{array}{r} 1+7= \\ 7+1= \\ 8-7= \\ 8-1= \end{array} \quad \begin{array}{r} 1 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -1 \\ \hline \end{array}$$

(5)

★ ★
★ ★

★ ★ ★
★ ★

$$\begin{array}{r} 4+5= \\ 5+4= \\ 9-4= \\ 9-5= \end{array} \quad \begin{array}{r} 9 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ +4 \\ \hline \end{array}$$

(6)

★

★ ★ ★ ★
★ ★ ★ ★

$$\begin{array}{r} 1+8= \\ 8+1= \\ 9-8= \\ 9-1= \end{array} \quad \begin{array}{r} 8 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -8 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +8 \\ \hline \end{array}$$

(7)

★ ★
★

★ ★ ★
★ ★ ★

$$\begin{array}{r} 3+6= \\ 6+3= \\ 9-6= \\ 9-3= \end{array} \quad \begin{array}{r} 3 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -3 \\ \hline \end{array}$$

(8)

★ ★ ★
★
★ ★ ★

★

★

$$\begin{array}{r} 7+2= \\ 2+7= \\ 9-2= \\ 9-7= \end{array} \quad \begin{array}{r} 2 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -2 \\ \hline \end{array}$$

Number Facts About Ten



$5 + 5 =$

$10 - 5 =$

$$\begin{array}{r} 5 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 5 \\ \hline \end{array}$$



$2 + 8 =$

$10 - 2 =$

$$\begin{array}{r} 2 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 2 \\ \hline \end{array}$$

$8 + 2 =$

$10 - 8 =$



$4 + 6 =$

$10 - 4 =$

$$\begin{array}{r} 4 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 6 \\ \hline \end{array}$$

$6 + 4 =$

$10 - 6 =$



$3 + 7 =$

$10 - 3 =$

$$\begin{array}{r} 3 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 3 \\ \hline \end{array}$$

$7 + 3 =$

$10 - 7 =$



$9 + 1 =$

$10 - 9 =$

$$\begin{array}{r} 9 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 1 \\ \hline \end{array}$$

$1 + 9 =$

$10 - 1 =$

Higher Decades

Write other members of each family below.

$4 + 3 = 7$

$14 + 3 = 17$

$24 + 3 = 27$

$7 + 2 = 9$

$17 + 2 =$

$27 + 2 =$

$37 + 2 =$

$8 + 1 = 9$

$18 + 1 =$

$28 + 1 =$

$38 + 1 =$

$9 - 5 = 4$

$19 - 5 =$

$29 - 5 =$

$39 - 5 =$

Add:

$$\begin{array}{r} 6 \\ 4 \end{array} \quad \begin{array}{r} 5 \\ 5 \end{array} \quad \begin{array}{r} 3 \\ 7 \end{array} \quad \begin{array}{r} 9 \\ 1 \end{array} \quad \begin{array}{r} 8 \\ 2 \end{array} \quad \begin{array}{r} 4 \\ 6 \end{array}$$

$$\begin{array}{r} 7 \\ 2 \end{array} \quad \begin{array}{r} 4 \\ 5 \end{array} \quad \begin{array}{r} 2 \\ 7 \end{array} \quad \begin{array}{r} 6 \\ 3 \end{array} \quad \begin{array}{r} 8 \\ 1 \end{array} \quad \begin{array}{r} 4 \\ 4 \end{array}$$

Subtract:

$$\begin{array}{r} 10 \\ 7 \end{array} \quad \begin{array}{r} 10 \\ 8 \end{array} \quad \begin{array}{r} 10 \\ 4 \end{array} \quad \begin{array}{r} 10 \\ 5 \end{array} \quad \begin{array}{r} 10 \\ 6 \end{array} \quad \begin{array}{r} 10 \\ 9 \end{array}$$

$$\begin{array}{r} 10 \\ 3 \end{array} \quad \begin{array}{r} 10 \\ 2 \end{array} \quad \begin{array}{r} 10 \\ 1 \end{array} \quad \begin{array}{r} 9 \\ 7 \end{array} \quad \begin{array}{r} 9 \\ 4 \end{array} \quad \begin{array}{r} 9 \\ 6 \end{array}$$

Add:

$$\begin{array}{r} 61 \\ 48 \end{array} \quad \begin{array}{r} 74 \\ 35 \end{array} \quad \begin{array}{r} 86 \\ 23 \end{array} \quad \begin{array}{r} 52 \\ 57 \end{array} \quad \begin{array}{r} 98 \\ 11 \end{array}$$

$$\begin{array}{r} 64 \\ 33 \end{array} \quad \begin{array}{r} 15 \\ 52 \end{array} \quad \begin{array}{r} 13 \\ 63 \end{array} \quad \begin{array}{r} 64 \\ 42 \end{array} \quad \begin{array}{r} 81 \\ 25 \end{array}$$

Subtract:

$$\begin{array}{r} 98 \\ 44 \end{array} \quad \begin{array}{r} 87 \\ 33 \end{array} \quad \begin{array}{r} 99 \\ 16 \end{array} \quad \begin{array}{r} 43 \\ 12 \end{array} \quad \begin{array}{r} 98 \\ 75 \end{array}$$

$$\begin{array}{r} 87 \\ 66 \end{array} \quad \begin{array}{r} 99 \\ 53 \end{array} \quad \begin{array}{r} 89 \\ 32 \end{array} \quad \begin{array}{r} 89 \\ 78 \end{array} \quad \begin{array}{r} 77 \\ 42 \end{array}$$

Perfect score is 58. My Score: _____.

More Easy Addition

Practice this addition. Cover the answers. Write your answers on a folded paper. Practice until you can give the sums quickly.

Column Addition: Add columns downward. Check by adding upward.

$$\begin{array}{r} 5 \\ 5 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 4 \\ 4 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 3 \\ 3 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 4 \\ 6 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 1 \\ 8 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 5 \\ 3 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 4 \\ 5 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 6 \\ 4 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 4 \\ 2 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 7 \\ 1 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 2 \\ 7 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 5 \\ 4 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 3 \\ 5 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 6 \\ 3 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 8 \\ 2 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 1 \\ 7 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 3 \\ 6 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 9 \\ 1 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 7 \\ 3 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 7 \\ 2 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 2 \\ 6 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 8 \\ 1 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 1 \\ 9 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 2 \\ 8 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 6 \\ 2 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 3 \\ 7 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 4 \\ 3 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 2 \\ 5 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 6 \\ 1 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 3 \\ 4 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 1 \\ 4 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 1 \\ 3 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 3 \\ 2 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 1 \\ 5 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 2 \\ 4 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 5 \\ 1 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 2 \\ 2 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 1 \\ 1 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 2 \\ 3 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 1 \\ 2 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 3 \\ 1 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 4 \\ 1 \\ \hline 5 \end{array}$$

Write the answers.

$$4 + 5 =$$

$$5 + 3 =$$

$$14 + 5 =$$

$$15 + 3 =$$

$$24 + 5 =$$

$$25 + 3 =$$

$$6 + 3 =$$

$$7 + 2 =$$

$$36 + 3 =$$

$$27 + 2 =$$

$$16 + 3 =$$

$$47 + 2 =$$

$$\begin{array}{r} 1 \\ 1 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 2 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 1 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 2 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 4 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 2 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 1 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 7 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 3 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 2 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 6 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 5 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 1 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 4 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 2 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 3 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 3 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 3 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 3 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 5 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 7 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 6 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 2 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 1 \\ 3 \\ \hline \end{array}$$

Add:

$$\begin{array}{r} 31 \\ 23 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ 11 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ 23 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ 13 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ 21 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ 74 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ 33 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ 33 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ 21 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ 22 \\ \hline \end{array}$$

$$\begin{array}{r} 74 \\ 15 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ 54 \\ \hline \end{array}$$

$$\begin{array}{r} 31 \\ 56 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ 84 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ 61 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ 46 \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ 72 \\ \hline \end{array}$$

$$\begin{array}{r} 83 \\ 15 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ 25 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ 85 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ 28 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ 17 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ 32 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ 62 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ 51 \\ \hline \end{array}$$

More Easy Subtraction

Practice this subtraction. Cover the answers. Write your answers on a folded paper. Practice until you can give the remainders quickly.

$$\begin{array}{r} 10 \\ -8 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 9 \\ -7 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 8 \\ -4 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 9 \\ -1 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 10 \\ -2 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 8 \\ -2 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 7 \\ -6 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 8 \\ -5 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 9 \\ -4 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 7 \\ -2 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 8 \\ -1 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 9 \\ -2 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 7 \\ -5 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 9 \\ -5 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 10 \\ -1 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 8 \\ -7 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 8 \\ -3 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 7 \\ -3 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 7 \\ -4 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 8 \\ -6 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 9 \\ -6 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 10 \\ -3 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 9 \\ -8 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 9 \\ -3 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 5 \\ -3 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 10 \\ -6 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 5 \\ -4 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 6 \\ -1 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 10 \\ -7 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 6 \\ -2 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 6 \\ -3 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 10 \\ -5 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 6 \\ -5 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 5 \\ -2 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 10 \\ -9 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 10 \\ -4 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 5 \\ -4 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 4 \\ -2 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 3 \\ -2 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 4 \\ -3 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 3 \\ -1 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 4 \\ -1 \\ \hline 3 \end{array}$$

Write the answers.

$9-2=$
 $10-5=$

$19-2=$
 $15-5=$

$29-2=$
 $25-5=$

$8-6=$
 $7-3=$

$28-6=$
 $27-3=$

$18-6=$
 $37-3=$

Subtract and check by addition:

$$\begin{array}{r} 63 \\ -12 \\ \hline \end{array}$$

$$\begin{array}{r} 54 \\ -42 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ -13 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ -12 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ -31 \\ \hline \end{array}$$

$$\begin{array}{r} 67 \\ -32 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ -42 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ -34 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ -55 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ -61 \\ \hline \end{array}$$

$$\begin{array}{r} 98 \\ -32 \\ \hline \end{array}$$

$$\begin{array}{r} 99 \\ -16 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ -34 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ -45 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ -52 \\ \hline \end{array}$$

$$\begin{array}{r} 98 \\ -77 \\ \hline \end{array}$$

$$\begin{array}{r} 98 \\ -85 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ -68 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ -77 \\ \hline \end{array}$$

Subtract and check by addition:

$$\begin{array}{r} 234 \\ -112 \\ \hline \end{array}$$

$$\begin{array}{r} 345 \\ -211 \\ \hline \end{array}$$

$$\begin{array}{r} 465 \\ -332 \\ \hline \end{array}$$

$$\begin{array}{r} 565 \\ -314 \\ \hline \end{array}$$

$$\begin{array}{r} 767 \\ -124 \\ \hline \end{array}$$

$$\begin{array}{r} 678 \\ -422 \\ \hline \end{array}$$

$$\begin{array}{r} 876 \\ -135 \\ \hline \end{array}$$

$$\begin{array}{r} 877 \\ -445 \\ \hline \end{array}$$

$$\begin{array}{r} 789 \\ -631 \\ \hline \end{array}$$

$$\begin{array}{r} 899 \\ -547 \\ \hline \end{array}$$

$$\begin{array}{r} 989 \\ -472 \\ \hline \end{array}$$

$$\begin{array}{r} 899 \\ -635 \\ \hline \end{array}$$

$$\begin{array}{r} 978 \\ -67 \\ \hline \end{array}$$

$$\begin{array}{r} 879 \\ -11 \\ \hline \end{array}$$

$$\begin{array}{r} 798 \\ -22 \\ \hline \end{array}$$

$$\begin{array}{r} 887 \\ -43 \\ \hline \end{array}$$

$$\begin{array}{r} 678 \\ -545 \\ \hline \end{array}$$

$$\begin{array}{r} 689 \\ -63 \\ \hline \end{array}$$

$$\begin{array}{r} 679 \\ -25 \\ \hline \end{array}$$

$$\begin{array}{r} 899 \\ -374 \\ \hline \end{array}$$

Money

Prices at the Toy Store

kite 6 cents	doll 4 cents
top 3 cents	bed 2 cents
book 8 cents	auto 5 cents

Write in the prices and add.

- (1) a doll 4 cents (2) a top 3 cents
 a top 3 cents an auto 5 cents
 a bed 2 cents a bed 2 cents
 cents cents
- (3) a doll cents (4) a book cents
 a kite cents a bed cents
 cents cents

Find the cost of these toys.

- (5) A book, a bed cents.
 (6) An auto, a top cents.
 (7) A doll, a kite cents.
 (8) A kite, a top cents.

Making Change

Write in the amount of change you should get.

Cost	Amount Given	Change
(9) 5 cents	dime	<u> </u>
(10) 3 cents	nickel	<u> </u>
(11) 1 nickel	dime	<u> </u>
(12) 20 cents	quarter	<u> </u>
(13) 15 cents	quarter	<u> </u>
(14) 22 cents	quarter	<u> </u>
(15) 7 cents	dime	<u> </u>
(16) 6 cents	dime	<u> </u>

Write in the amounts.

- 1 nickel = cents.
 2 nickels = cents.
 3 nickels = cents.
 4 nickels = cents.
 5 nickels = cents.

- 1 dime = cents.
 2 dimes = cents.
 3 dimes = cents.
 4 dimes = cents.
 5 dimes = cents.

- A dollar = cents.
 A dollar = dimes.
 A dollar = nickels.
 A dollar = quarters.
 A dollar = half dollars.

- A half dollar = cents.
 A half dollar = dimes.
 A half dollar = nickels.
 A half dollar = quarters.

- A dime and 1 cent = cents.
 A dime and 4 cents = cents.
 A nickel and 3 cents = cents.
 A nickel and 5 cents = cents.

Addition and Subtraction

Work the problems. (See number one.)

Add downward:

- (1) In Jack's class there are 21 girls and 24 boys. There are 45 children in all.

21	42	53	32
31	21	22	32
<u>24</u>	<u>32</u>	<u>14</u>	<u>32</u>

- (2) Dick had 12 cents. He cleaned the car and earned 25 cents more. He then had _____ cents.

12	32	42	26
4	23	2	1
<u>23</u>	<u>4</u>	<u>5</u>	<u>21</u>

- (3) 14 girls and 15 boys came to Jane's party. How many children came to the party? _____

\$4.25	\$3.14	\$2.12
1.23	2.22	3.55
<u>3.41</u>	<u>1.53</u>	<u>1.21</u>
\$8.89		

- (4) Peter had 22 chickens. He bought 7 more. He now has _____ chickens.

\$3.25	\$6.51	\$2.21
4.12	2.34	3.43
<u>2.61</u>	<u>1.13</u>	<u>4.32</u>

- (5) Joe had 29 papers to sell. After he sold 15 of them he had _____ papers left.

Subtract:

\$6.94	\$8.98	\$7.98
<u>4.82</u>	<u>3.72</u>	<u>4.44</u>
\$2.12		

- (6) Sue went to the store with 29 cents. After paying 16 cents for stamps how much did she have left? _____

\$8.33	\$7.94	\$6.98
<u>4.23</u>	<u>2.43</u>	<u>5.65</u>

- (7) Tom is 10 years old and his sister is 6 years old. Tom is _____ years older than his sister.

\$5.67	\$7.48	\$7.67
<u>4.32</u>	<u>2.33</u>	<u>3.25</u>

- (8) Betty had 10 jacks. She lost 3 of them. She now has _____ jacks.

\$9.87	\$8.43	\$8.99
<u>2.45</u>	<u>6.32</u>	<u>6.64</u>

Multiplying by Two

$1 + 1 = 2$ 2 ones are 2. $2 \times 1 = 2$	$2 + 2 = 4$ 2 twos are 4. $2 \times 2 = 4$	$3 + 3 = 6$ 2 threes are 6. $2 \times 3 = 6$	$4 + 4 = 8$ 2 fours are 8. $2 \times 4 = 8$	$5 + 5 = 10$ 2 fives are 10. $2 \times 5 = 10$
$6 + 6 = 12$ 2 sixes are 12. $2 \times 6 = 12$	$7 + 7 = 14$ 2 sevens are 14. $2 \times 7 = 14$	$8 + 8 = 16$ 2 eights are 16. $2 \times 8 = 16$	$9 + 9 = 18$ 2 nines are 18. $2 \times 9 = 18$	$10 + 10 = 20$ 2 tens are 20. $2 \times 10 = 20$

Work the problems. (See number one.)

- (1) If one doll costs 5 cents, how much will
2 dolls cost? 10 cents.

$$\begin{array}{r} 5 \\ \times 2 \\ \hline 10 \end{array}$$

- (2) If each jack costs 3 cents, how much will
2 jacks cost? _____ cents.

$$\begin{array}{r} 22 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ \times 2 \\ \hline \end{array}$$

- (3) Tom saved 8 cents a week for two
weeks. How much money did he save
in 2 weeks? _____ cents.

$$\begin{array}{r} 61 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ \times 2 \\ \hline \end{array}$$

- (4) Lollipops cost 2 cents apiece. How much
will 6 lollipops cost? _____ cents.

$$\begin{array}{r} 72 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 91 \\ \times 2 \\ \hline \end{array}$$

- (5) Jim bought 7 pencils at 2 cents each.
What did he pay for the 7 pencils?
_____ cents.

$$\begin{array}{r} 213 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 123 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 423 \\ \times 2 \\ \hline \end{array}$$

- (6) Jerry had 9 balloons to sell. He sold
them all for 2 cents each. He received
_____ cents for them all.

$$\begin{array}{r} 312 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 413 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 323 \\ \times 2 \\ \hline \end{array}$$

Multiplication and Division

Write the answers. See number one.

(1) $2 \times 4 = 8$	$8 \div 2 = 4$	$8 \div 4 = 2$	$\begin{array}{r} 4 \\ 2 \overline{)8} \end{array}$	$\begin{array}{r} 2 \\ 4 \overline{)8} \end{array}$
(2) $2 \times 3 =$	$6 \div 2 =$	$6 \div 3 =$	$\begin{array}{r} 3 \overline{)6} \end{array}$	$\begin{array}{r} 2 \overline{)6} \end{array}$
(3) $2 \times 7 =$	$14 \div 2 =$	$14 \div 7 =$	$\begin{array}{r} 7 \overline{)14} \end{array}$	$\begin{array}{r} 2 \overline{)14} \end{array}$
(4) $2 \times 2 =$	$4 \div 2 =$		$\begin{array}{r} 2 \overline{)4} \end{array}$	
(5) $2 \times 8 =$	$16 \div 2 =$	$16 \div 8 =$	$\begin{array}{r} 2 \overline{)16} \end{array}$	$\begin{array}{r} 8 \overline{)16} \end{array}$
(6) $2 \times 5 =$	$10 \div 2 =$	$10 \div 5 =$	$\begin{array}{r} 2 \overline{)10} \end{array}$	$\begin{array}{r} 5 \overline{)10} \end{array}$
(7) $2 \times 6 =$	$12 \div 2 =$	$12 \div 6 =$	$\begin{array}{r} 6 \overline{)12} \end{array}$	$\begin{array}{r} 2 \overline{)12} \end{array}$
(8) $2 \times 9 =$	$18 \div 2 =$	$18 \div 9 =$	$\begin{array}{r} 2 \overline{)18} \end{array}$	$\begin{array}{r} 9 \overline{)18} \end{array}$
(9) $2 \times 1 =$	$2 \div 2 =$		$\begin{array}{r} 2 \overline{)2} \end{array}$	

$\begin{array}{r} 2 \overline{)12} \end{array}$	$\begin{array}{r} 2 \overline{)4} \end{array}$	$\begin{array}{r} 2 \overline{)6} \end{array}$	$\begin{array}{r} 2 \overline{)10} \end{array}$	$\begin{array}{r} 2 \overline{)8} \end{array}$	$\begin{array}{r} 2 \overline{)2} \end{array}$	$\begin{array}{r} 2 \overline{)14} \end{array}$
$\begin{array}{r} 2 \overline{)16} \end{array}$	$\begin{array}{r} 3 \overline{)6} \end{array}$	$\begin{array}{r} 4 \overline{)8} \end{array}$	$\begin{array}{r} 2 \overline{)18} \end{array}$	$\begin{array}{r} 5 \overline{)10} \end{array}$	$\begin{array}{r} 7 \overline{)14} \end{array}$	$\begin{array}{r} 6 \overline{)12} \end{array}$
$\begin{array}{r} 2 \overline{)66} \end{array}$	$\begin{array}{r} 2 \overline{)44} \end{array}$	$\begin{array}{r} 2 \overline{)88} \end{array}$	$\begin{array}{r} 2 \overline{)68} \end{array}$	$\begin{array}{r} 2 \overline{)84} \end{array}$	$\begin{array}{r} 2 \overline{)24} \end{array}$	$\begin{array}{r} 2 \overline{)42} \end{array}$
$\begin{array}{r} 2 \overline{)468} \end{array}$	$\begin{array}{r} 2 \overline{)284} \end{array}$	$\begin{array}{r} 2 \overline{)868} \end{array}$	$\begin{array}{r} 2 \overline{)486} \end{array}$	$\begin{array}{r} 2 \overline{)644} \end{array}$	$\begin{array}{r} 2 \overline{)824} \end{array}$	$\begin{array}{r} 2 \overline{)226} \end{array}$
$\begin{array}{r} 2 \overline{)142} \end{array}$	$\begin{array}{r} 2 \overline{)148} \end{array}$	$\begin{array}{r} 2 \overline{)146} \end{array}$	$\begin{array}{r} 2 \overline{)144} \end{array}$	$\begin{array}{r} 2 \overline{)122} \end{array}$	$\begin{array}{r} 2 \overline{)126} \end{array}$	$\begin{array}{r} 2 \overline{)128} \end{array}$
$\begin{array}{r} 2 \overline{)124} \end{array}$	$\begin{array}{r} 2 \overline{)168} \end{array}$	$\begin{array}{r} 2 \overline{)164} \end{array}$	$\begin{array}{r} 2 \overline{)166} \end{array}$	$\begin{array}{r} 2 \overline{)162} \end{array}$	$\begin{array}{r} 2 \overline{)186} \end{array}$	$\begin{array}{r} 2 \overline{)188} \end{array}$

Perfect score is 50. My Score

Zeros in Addition and Subtraction

Write the answers. See examples.

Mixed practice:

$6 + 0 = 6$

$6 - 0 = 6$

$6 - 6 = 0$

$3 + 0 =$

$2 + 0 =$

$2 - 0 =$

$2 - 2 =$

$6 - 0 =$

$9 + 0 =$

$9 - 0 =$

$9 - 9 =$

$8 - 8 =$

$8 + 0 =$

$8 - 0 =$

$8 - 8 =$

$4 - 0 =$

$5 + 0 =$

$5 - 0 =$

$5 - 5 =$

$5 + 0 =$

$1 + 0 =$

$1 - 0 =$

$1 - 1 =$

$2 - 2 =$

$3 + 0 =$

$3 - 0 =$

$3 - 3 =$

$9 + 0 =$

$7 + 0 =$

$7 - 0 =$

$7 - 7 =$

$3 + 0 =$

$4 + 0 =$

$4 - 0 =$

$4 - 4 =$

$7 - 0 =$

$0 + 0 =$

$0 - 0 =$

$5 - 5 =$

Add:

Subtract:

$$\begin{array}{r} 65 \\ 20 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ 32 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ 30 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ 61 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ 30 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ 50 \\ \hline \end{array}$$

$$\begin{array}{r} 82 \\ 60 \\ \hline \end{array}$$

$$\begin{array}{r} 94 \\ 74 \\ \hline \end{array}$$

$$\begin{array}{r} 98 \\ 68 \\ \hline \end{array}$$

$$\begin{array}{r} 85 \\ 50 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ 13 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ 49 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ 56 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ 48 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ 27 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ 16 \\ \hline \end{array}$$

$$\begin{array}{r} 93 \\ 33 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ 30 \\ \hline \end{array}$$

$$\begin{array}{r} 96 \\ 20 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ 15 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ 20 \\ \hline \end{array}$$

$$\begin{array}{r} 92 \\ 10 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ 30 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ 24 \\ \hline \end{array}$$

$$\begin{array}{r} 95 \\ 75 \\ \hline \end{array}$$

$$\begin{array}{r} 93 \\ 80 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ 17 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ 21 \\ \hline \end{array}$$

$$\begin{array}{r} 94 \\ 10 \\ \hline \end{array}$$

$$\begin{array}{r} 610 \\ 300 \\ \hline \end{array}$$

$$\begin{array}{r} 405 \\ 222 \\ \hline \end{array}$$

$$\begin{array}{r} 605 \\ 200 \\ \hline \end{array}$$

$$\begin{array}{r} 700 \\ 200 \\ \hline \end{array}$$

$$\begin{array}{r} 987 \\ 440 \\ \hline \end{array}$$

$$\begin{array}{r} 586 \\ 100 \\ \hline \end{array}$$

$$\begin{array}{r} 804 \\ 203 \\ \hline \end{array}$$

$$\begin{array}{r} 876 \\ 406 \\ \hline \end{array}$$

$$\begin{array}{r} 743 \\ 352 \\ \hline \end{array}$$

$$\begin{array}{r} 900 \\ 160 \\ \hline \end{array}$$

$$\begin{array}{r} 606 \\ 480 \\ \hline \end{array}$$

$$\begin{array}{r} 270 \\ 809 \\ \hline \end{array}$$

$$\begin{array}{r} 589 \\ 209 \\ \hline \end{array}$$

$$\begin{array}{r} 467 \\ 260 \\ \hline \end{array}$$

$$\begin{array}{r} 367 \\ 304 \\ \hline \end{array}$$

$$\begin{array}{r} 748 \\ 348 \\ \hline \end{array}$$

Review

Test 1. Addition

(1)	(2)	(3)	(4)	(5)	(6)	(7)
$\begin{array}{r} 3 \\ 2 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 3 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 56 \\ 43 \\ \hline \end{array}$	$\begin{array}{r} 456 \\ 433 \\ \hline \end{array}$	$\begin{array}{r} 23 \\ 14 \\ 32 \\ \hline \end{array}$	$\begin{array}{r} 434 \\ 321 \\ 44 \\ \hline \end{array}$	$\begin{array}{r} \$6.22 \\ 2.63 \\ 1.12 \\ \hline \end{array}$

- (8) $2 + 6 =$ (12) A dime and 4 cents are _____ cents.
 (9) $12 + 6 =$ (13) A nickel and 2 cents are _____ cents.
 (10) $42 + 6 =$ (14) There are _____ nickels in a quarter.
 (11) $52 + 6 =$ (15) There are _____ dimes in a dollar.

Test 2. Subtraction

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
$9 - 2 =$								
$10 - 8 =$			$\begin{array}{r} 48 \\ 35 \\ \hline \end{array}$			$\begin{array}{r} 67 \\ 56 \\ \hline \end{array}$	$\begin{array}{r} 768 \\ 557 \\ \hline \end{array}$	$\begin{array}{r} 967 \\ 542 \\ \hline \end{array}$
$8 - 3 =$								
$10 - 7 =$		(10)		(11)		(12)		(13)
$9 - 6 =$		$\begin{array}{r} 976 \\ 43 \\ \hline \end{array}$		$\begin{array}{r} 848 \\ 37 \\ \hline \end{array}$		$\begin{array}{r} \$6.87 \\ 3.61 \\ \hline \end{array}$		$\begin{array}{r} \$9.98 \\ 7.43 \\ \hline \end{array}$

Test 3. Multiplication

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
$3 + 3 =$ _____, or $2 \times 3 =$ _____									
$2 + 2 =$ _____, or $2 \times 2 =$ _____						$\begin{array}{r} 231 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 421 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 324 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 213 \\ \times 2 \\ \hline \end{array}$
$4 + 4 =$ _____, or $2 \times 4 =$ _____									
$6 + 6 =$ _____, or $2 \times 6 =$ _____									
$1 + 1 =$ _____, or $2 \times 1 =$ _____				(11)		(12)		(13)	(14)
$9 + 9 =$ _____, or $2 \times 9 =$ _____				$\begin{array}{r} 64 \\ \times 2 \\ \hline \end{array}$		$\begin{array}{r} 71 \\ \times 2 \\ \hline \end{array}$		$\begin{array}{r} 512 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 83 \\ \times 2 \\ \hline \end{array}$

Do not go on until you can make a perfect score on this review page.

Perfect score is 42. My Score _____

Number Facts About 11

(1)

★ ★ ★
★ ★ ★

★ ★ ★
★ ★

$$\begin{array}{r} 6+5= \\ 5+6= \\ 11-6= \\ 11-5= \end{array} \quad \begin{array}{r} 5 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -6 \\ \hline \end{array}$$

(2)

★ ★

★ ★ ★

★ ★

★ ★ ★

$$\begin{array}{r} 4+7= \\ 7+4= \\ 11-4= \\ 11-7= \end{array} \quad \begin{array}{r} 4 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -7 \\ \hline \end{array}$$

(3)

★ ★ ★ ★
★ ★ ★ ★

★ ★
★

$$\begin{array}{r} 8+3= \\ 3+8= \\ 11-3= \\ 11-8= \end{array} \quad \begin{array}{r} 3 \\ +8 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -8 \\ \hline \end{array}$$

(4)

★ ★ ★ ★
★ ★ ★ ★

★
★

$$\begin{array}{r} 9+2= \\ 2+9= \\ 11-9= \\ 11-2= \end{array} \quad \begin{array}{r} 11 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -9 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +9 \\ \hline \end{array}$$

Add:

$$\begin{array}{r} 64 \\ 55 \\ \hline \end{array} \quad \begin{array}{r} 77 \\ 32 \\ \hline \end{array} \quad \begin{array}{r} 70 \\ 44 \\ \hline \end{array} \quad \begin{array}{r} 96 \\ 23 \\ \hline \end{array} \quad \begin{array}{r} 31 \\ 88 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ 32 \\ \hline \end{array} \quad \begin{array}{r} 63 \\ 45 \\ \hline \end{array} \quad \begin{array}{r} 84 \\ 24 \\ \hline \end{array} \quad \begin{array}{r} 50 \\ 60 \\ \hline \end{array} \quad \begin{array}{r} 46 \\ 70 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ 63 \\ \hline \end{array} \quad \begin{array}{r} 30 \\ 74 \\ \hline \end{array} \quad \begin{array}{r} 80 \\ 30 \\ \hline \end{array} \quad \begin{array}{r} 42 \\ 75 \\ \hline \end{array} \quad \begin{array}{r} 96 \\ 21 \\ \hline \end{array}$$

$$\begin{array}{r} \$7.34 \\ 4.21 \\ \hline \end{array} \quad \begin{array}{r} \$8.10 \\ 3.20 \\ \hline \end{array} \quad \begin{array}{r} \$9.01 \\ 2.63 \\ \hline \end{array}$$

Subtract:

$$\begin{array}{r} 89 \\ 41 \\ \hline \end{array} \quad \begin{array}{r} 96 \\ 30 \\ \hline \end{array} \quad \begin{array}{r} 70 \\ 50 \\ \hline \end{array} \quad \begin{array}{r} 67 \\ 40 \\ \hline \end{array} \quad \begin{array}{r} 34 \\ 14 \\ \hline \end{array}$$

$$\begin{array}{r} \$9.76 \\ 1.43 \\ \hline \end{array} \quad \begin{array}{r} \$9.88 \\ 2.04 \\ \hline \end{array} \quad \begin{array}{r} \$5.52 \\ 1.52 \\ \hline \end{array}$$

$$\begin{array}{r} \$5.47 \\ 1.33 \\ \hline \end{array} \quad \begin{array}{r} \$9.48 \\ 6.05 \\ \hline \end{array} \quad \begin{array}{r} \$7.44 \\ 2.04 \\ \hline \end{array}$$

$$\begin{array}{r} 115 \\ 24 \\ \hline \end{array} \quad \begin{array}{r} 116 \\ 34 \\ \hline \end{array} \quad \begin{array}{r} 107 \\ 27 \\ \hline \end{array} \quad \begin{array}{r} 108 \\ 68 \\ \hline \end{array}$$

$$\begin{array}{r} 112 \\ 52 \\ \hline \end{array} \quad \begin{array}{r} 103 \\ 10 \\ \hline \end{array} \quad \begin{array}{r} 117 \\ 43 \\ \hline \end{array} \quad \begin{array}{r} 104 \\ 74 \\ \hline \end{array}$$

Number Facts About 12, 13

(1)



$$6 + 6 =$$

$$12 - 6 =$$

$$\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$$

(2)



$$7 + 5 =$$

$$5 + 7 =$$

$$12 - 7 =$$

$$12 - 5 =$$

$$\begin{array}{r} 5 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -5 \\ \hline \end{array}$$

(3)



$$8 + 4 =$$

$$4 + 8 =$$

$$12 - 8 =$$

$$12 - 4 =$$

$$\begin{array}{r} 4 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +4 \\ \hline \end{array}$$

(4)



$$9 + 3 =$$

$$3 + 9 =$$

$$12 - 3 =$$

$$12 - 9 =$$

$$\begin{array}{r} 9 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -9 \\ \hline \end{array}$$

(5)



$$6 + 7 =$$

$$7 + 6 =$$

$$13 - 6 =$$

$$13 - 7 =$$

$$\begin{array}{r} 6 \\ +7 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ +6 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -6 \\ \hline \end{array}$$

(6)



$$9 + 4 =$$

$$4 + 9 =$$

$$13 - 4 =$$

$$13 - 9 =$$

$$\begin{array}{r} 4 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -9 \\ \hline \end{array}$$

(7)



$$8 + 5 =$$

$$5 + 8 =$$

$$13 - 8 =$$

$$13 - 5 =$$

$$\begin{array}{r} 13 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +5 \\ \hline \end{array}$$

(1) $8 + 4 =$

(8) $12 - 3 =$

(2) $3 + 9 =$

(9) $12 - 8 =$

(3) $6 + 7 =$

(10) $12 - 7 =$

(4) $5 + 8 =$

(11) $12 - 6 =$

(5) $9 + 4 =$

(12) $13 - 4 =$

(6) $6 + 6 =$

(13) $13 - 7 =$

(7) $7 + 5 =$

(14) $13 - 8 =$

Addition Facts About 11, 12, 13

Learn these addition facts if you do not know them.

11

$$\begin{array}{r} 6 \\ 5 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 7 \\ 4 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 8 \\ 3 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 9 \\ 2 \\ \hline 11 \end{array}$$

12

$$\begin{array}{r} 6 \\ 6 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 7 \\ 5 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 8 \\ 4 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 9 \\ 3 \\ \hline 12 \end{array}$$

13

$$\begin{array}{r} 8 \\ 5 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 6 \\ 7 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 9 \\ 4 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 5 \\ 6 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 4 \\ 7 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 3 \\ 8 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 2 \\ 9 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 5 \\ 7 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 4 \\ 8 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 3 \\ 9 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 5 \\ 8 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 7 \\ 6 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 4 \\ 9 \\ \hline 13 \end{array}$$

Find the sums.

$$\begin{array}{r} 1 \\ 1 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 1 \\ 2 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 1 \\ 2 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 1 \\ 3 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 1 \\ 3 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 1 \\ 4 \\ \hline 6 \end{array}$$

$$\begin{array}{r} 1 \\ 3 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 8 \\ 2 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 9 \\ 2 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 6 \\ 3 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 7 \\ 3 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 8 \\ 3 \\ \hline 2 \end{array}$$

Addition with carrying and zeros. Find the sums.

$$\begin{array}{r} 57 \\ 36 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ 64 \\ \hline \end{array}$$

$$\begin{array}{r} 47 \\ 35 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ 23 \\ \hline \end{array}$$

$$\begin{array}{r} 59 \\ 13 \\ \hline \end{array}$$

$$\begin{array}{r} 37 \\ 14 \\ \hline \end{array}$$

$$\begin{array}{r} 39 \\ 62 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ 45 \\ \hline \end{array}$$

$$\begin{array}{r} 95 \\ 40 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ 35 \\ \hline \end{array}$$

$$\begin{array}{r} 56 \\ 5 \\ 21 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ 8 \\ 20 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ 45 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ 50 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ 34 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ 78 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ 79 \\ 11 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ 89 \\ 22 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ 78 \\ 10 \\ \hline \end{array}$$

$$\begin{array}{r} 96 \\ 34 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 246 \\ 635 \\ \hline \end{array}$$

$$\begin{array}{r} 234 \\ 747 \\ \hline \end{array}$$

$$\begin{array}{r} 755 \\ 238 \\ \hline \end{array}$$

$$\begin{array}{r} 604 \\ 369 \\ \hline \end{array}$$

$$\begin{array}{r} 206 \\ 487 \\ \hline \end{array}$$

$$\begin{array}{r} 146 \\ 246 \\ \hline \end{array}$$

$$\begin{array}{r} 111 \\ 639 \\ \hline \end{array}$$

$$\begin{array}{r} 567 \\ 416 \\ \hline \end{array}$$

$$\begin{array}{r} 224 \\ 516 \\ \hline \end{array}$$

$$\begin{array}{r} 125 \\ 428 \\ \hline \end{array}$$

$$\begin{array}{r} 537 \\ 124 \\ \hline \end{array}$$

$$\begin{array}{r} 344 \\ 319 \\ \hline \end{array}$$

$$\begin{array}{r} 115 \\ 718 \\ \hline \end{array}$$

$$\begin{array}{r} 715 \\ 125 \\ \hline \end{array}$$

$$\begin{array}{r} 353 \\ 827 \\ \hline \end{array}$$

$$\begin{array}{r} 609 \\ 404 \\ \hline \end{array}$$

$$\begin{array}{r} 982 \\ 108 \\ \hline \end{array}$$

$$\begin{array}{r} 735 \\ 306 \\ \hline \end{array}$$

Subtraction Facts About 11, 12, 13

Learn these subtraction facts if you do not know them.

$11-5=6$	$12-6=6$	$13-4=9$	$9-9=0$	$9-0=9$
$11-6=5$	$12-7=5$	$13-9=4$	$8-8=0$	$8-0=8$
$11-7=4$	$12-5=7$	$13-8=5$	$7-7=0$	$7-0=7$
$11-4=7$	$12-8=4$	$13-5=8$	$6-6=0$	$6-0=6$
$11-8=3$	$12-4=8$	$13-7=6$	$5-5=0$	$5-0=5$
$11-3=8$	$12-9=3$	$13-6=7$	$4-4=0$	$4-0=4$
$11-2=9$	$12-3=9$		$3-3=0$	$3-0=3$
$11-9=2$			$2-2=0$	$2-0=2$

A zero in subtraction. Find the remainders.

$\begin{array}{r} 98 \\ 20 \end{array}$	$\begin{array}{r} 75 \\ 20 \end{array}$	$\begin{array}{r} 86 \\ 40 \end{array}$	$\begin{array}{r} 79 \\ 40 \end{array}$	$\begin{array}{r} 67 \\ 20 \end{array}$	$\begin{array}{r} 89 \\ 19 \end{array}$	$\begin{array}{r} 78 \\ 58 \end{array}$	$\begin{array}{r} 56 \\ 26 \end{array}$	$\begin{array}{r} 94 \\ 54 \end{array}$	$\begin{array}{r} 72 \\ 22 \end{array}$
---	---	---	---	---	---	---	---	---	---

Find the remainders.

$\begin{array}{r} 81 \\ 26 \end{array}$	$\begin{array}{r} 82 \\ 38 \end{array}$	$\begin{array}{r} 99 \\ 20 \end{array}$	$\begin{array}{r} 63 \\ 18 \end{array}$	$\begin{array}{r} 52 \\ 29 \end{array}$	$\begin{array}{r} 93 \\ 18 \end{array}$	$\begin{array}{r} 32 \\ 16 \end{array}$	$\begin{array}{r} 81 \\ 14 \end{array}$	$\begin{array}{r} 93 \\ 84 \end{array}$	$\begin{array}{r} 73 \\ 19 \end{array}$
---	---	---	---	---	---	---	---	---	---

$\begin{array}{r} 93 \\ 47 \end{array}$	$\begin{array}{r} 62 \\ 59 \end{array}$	$\begin{array}{r} 62 \\ 27 \end{array}$	$\begin{array}{r} 91 \\ 58 \end{array}$	$\begin{array}{r} 42 \\ 16 \end{array}$	$\begin{array}{r} 71 \\ 26 \end{array}$	$\begin{array}{r} 81 \\ 79 \end{array}$	$\begin{array}{r} 62 \\ 35 \end{array}$	$\begin{array}{r} 43 \\ 25 \end{array}$	$\begin{array}{r} 53 \\ 19 \end{array}$
---	---	---	---	---	---	---	---	---	---

$\begin{array}{r} 922 \\ 215 \end{array}$	$\begin{array}{r} 833 \\ 529 \end{array}$	$\begin{array}{r} 593 \\ 125 \end{array}$	$\begin{array}{r} 883 \\ 715 \end{array}$	$\begin{array}{r} 941 \\ 212 \end{array}$	$\begin{array}{r} 863 \\ 244 \end{array}$	$\begin{array}{r} 647 \\ 323 \end{array}$	$\begin{array}{r} 522 \\ 408 \end{array}$	$\begin{array}{r} 599 \\ 196 \end{array}$
---	---	---	---	---	---	---	---	---

$\begin{array}{r} 990 \\ 379 \end{array}$	$\begin{array}{r} 590 \\ 264 \end{array}$	$\begin{array}{r} 650 \\ 136 \end{array}$	$\begin{array}{r} 660 \\ 257 \end{array}$	$\begin{array}{r} 960 \\ 143 \end{array}$	$\begin{array}{r} 893 \\ 688 \end{array}$	$\begin{array}{r} 892 \\ 187 \end{array}$	$\begin{array}{r} 874 \\ 664 \end{array}$	$\begin{array}{r} 999 \\ 387 \end{array}$
---	---	---	---	---	---	---	---	---

$\begin{array}{r} 473 \\ 159 \end{array}$	$\begin{array}{r} 793 \\ 288 \end{array}$	$\begin{array}{r} 497 \\ 341 \end{array}$	$\begin{array}{r} 978 \\ 564 \end{array}$	$\begin{array}{r} 326 \\ 113 \end{array}$	$\begin{array}{r} 897 \\ 347 \end{array}$	$\begin{array}{r} 699 \\ 300 \end{array}$	$\begin{array}{r} 567 \\ 420 \end{array}$	$\begin{array}{r} 986 \\ 306 \end{array}$
---	---	---	---	---	---	---	---	---

Perfect score is 57. My Score _____.

Multiplication With Carrying Once

Study these facts. Write the answers.
(Watch the signs.)

- (1) $5 + 5 =$
- (2) $2 \times 5 =$ $5 \times 2 =$
- (3) $6 + 6 =$
- (4) $2 \times 6 =$ $6 \times 2 =$
- (5) $2 + 2 =$
- (6) $2 \times 2 =$
- (7) $4 + 4 =$
- (8) $2 \times 4 =$ $4 \times 2 =$
- (9) $3 + 3 =$
- (10) $2 \times 3 =$ $3 \times 2 =$
- (11) $7 + 7 =$
- (12) $2 \times 7 =$ $7 \times 2 =$
- (13) $9 + 9 =$
- (14) $2 \times 9 =$ $9 \times 2 =$
- (15) $8 + 8 =$
- (16) $2 \times 8 =$ $8 \times 2 =$

Learn these facts. Write the answers.

- | | |
|------------------|------------------|
| $1 \times 1 = 1$ | $1 \times 0 = 0$ |
| $2 \times 1 = 2$ | $2 \times 0 = 0$ |
| $3 \times 1 = 3$ | $3 \times 0 = 0$ |
| $4 \times 1 =$ | $4 \times 0 =$ |
| $5 \times 1 =$ | $5 \times 0 =$ |
| $6 \times 1 =$ | $6 \times 0 =$ |
| $7 \times 1 =$ | $7 \times 0 =$ |
| $8 \times 1 =$ | $8 \times 0 =$ |
| $9 \times 1 =$ | $9 \times 0 =$ |

Multiplying with zero. Find the products.

- | | | | |
|-------------------------|--|--|--|
| (1) $2 \times 3 + 1 =$ | $\begin{array}{r} 40 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 30 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 20 \\ \times 2 \\ \hline \end{array}$ |
| (2) $2 \times 6 + 1 =$ | | | |
| (3) $2 \times 8 + 1 =$ | | | |
| (4) $2 \times 4 + 1 =$ | $\begin{array}{r} 604 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 802 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 903 \\ \times 2 \\ \hline \end{array}$ |
| (5) $2 \times 7 + 1 =$ | | | |
| (6) $2 \times 9 + 1 =$ | | | |
| (7) $2 \times 5 + 1 =$ | $\begin{array}{r} 200 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 500 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 700 \\ \times 2 \\ \hline \end{array}$ |
| (8) $2 \times 0 + 1 =$ | | | |
| (9) $6 \times 0 + 1 =$ | | | |
| (10) $4 \times 1 + 1 =$ | $\begin{array}{r} 201 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 310 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 401 \\ \times 2 \\ \hline \end{array}$ |
| (11) $9 \times 1 + 1 =$ | | | |

Multiply:

- | | | | | | |
|--|--|--|--|--|---|
| $\begin{array}{r} 31 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 34 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 61 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 54 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 83 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 70 \\ \times 2 \\ \hline \end{array}$ |
| $\begin{array}{r} 67 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 28 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 39 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 16 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 25 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 49 \\ \times 2 \\ \hline \end{array}$ |
| $\begin{array}{r} 432 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 129 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 318 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 447 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 516 \\ \times 2 \\ \hline \end{array}$ | |
| $\begin{array}{r} 924 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 145 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 215 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 746 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 304 \\ \times 2 \\ \hline \end{array}$ | |
| $\begin{array}{r} 645 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 647 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 839 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 516 \\ \times 2 \\ \hline \end{array}$ | $\begin{array}{r} 501 \\ \times 2 \\ \hline \end{array}$ | |

Division Without Carrying

Study these division facts. Write the answers.
(See number one.)

Write the answers.

- (1) $\begin{array}{r} 1 \\ 2 \overline{) 2} \end{array}$ How many twos
are there in 2? 1
- (2) $\begin{array}{r} \\ 2 \overline{) 8} \end{array}$ How many twos
are there in 8? _____
- (3) $\begin{array}{r} \\ 2 \overline{) 6} \end{array}$ How many twos
are there in 6? _____
- (4) $\begin{array}{r} \\ 2 \overline{) 4} \end{array}$ How many twos
are there in 4? _____
- (5) $\begin{array}{r} \\ 2 \overline{) 10} \end{array}$ How many twos
are there in 10? _____
- (6) $\begin{array}{r} \\ 2 \overline{) 12} \end{array}$ How many twos
are there in 12? _____
- (7) $\begin{array}{r} \\ 2 \overline{) 16} \end{array}$ How many twos
are there in 16? _____
- (8) $\begin{array}{r} \\ 2 \overline{) 18} \end{array}$ How many twos
are there in 18? _____
- (9) $\begin{array}{r} \\ 2 \overline{) 6} \end{array}$ $\begin{array}{r} \\ 3 \overline{) 6} \end{array}$
- (10) $\begin{array}{r} \\ 2 \overline{) 8} \end{array}$ $\begin{array}{r} \\ 4 \overline{) 8} \end{array}$
- (11) $\begin{array}{r} \\ 2 \overline{) 10} \end{array}$ $\begin{array}{r} \\ 5 \overline{) 10} \end{array}$
- (12) $\begin{array}{r} \\ 2 \overline{) 12} \end{array}$ $\begin{array}{r} \\ 6 \overline{) 12} \end{array}$
- (13) $\begin{array}{r} \\ 2 \overline{) 18} \end{array}$ $\begin{array}{r} \\ 9 \overline{) 18} \end{array}$

- $\begin{array}{r} \\ 2 \overline{) 24} \end{array}$ $\begin{array}{r} \\ 2 \overline{) 64} \end{array}$ $\begin{array}{r} \\ 2 \overline{) 62} \end{array}$ $\begin{array}{r} \\ 2 \overline{) 48} \end{array}$
- $\begin{array}{r} \\ 2 \overline{) 44} \end{array}$ $\begin{array}{r} \\ 2 \overline{) 26} \end{array}$ $\begin{array}{r} \\ 2 \overline{) 84} \end{array}$ $\begin{array}{r} \\ 2 \overline{) 46} \end{array}$
- $\begin{array}{r} \\ 2 \overline{) 66} \end{array}$ $\begin{array}{r} \\ 2 \overline{) 484} \end{array}$ $\begin{array}{r} \\ 2 \overline{) 624} \end{array}$ $\begin{array}{r} \\ 2 \overline{) 628} \end{array}$
- $\begin{array}{r} \\ 2 \overline{) 684} \end{array}$ $\begin{array}{r} \\ 2 \overline{) 864} \end{array}$ $\begin{array}{r} \\ 2 \overline{) 642} \end{array}$ $\begin{array}{r} \\ 2 \overline{) 848} \end{array}$
- $\begin{array}{r} \\ 3 \overline{) 6} \end{array}$ $\begin{array}{r} \\ 3 \overline{) 66} \end{array}$ $\begin{array}{r} \\ 3 \overline{) 63} \end{array}$ $\begin{array}{r} \\ 3 \overline{) 36} \end{array}$
- $\begin{array}{r} \\ 4 \overline{) 4} \end{array}$ $\begin{array}{r} \\ 4 \overline{) 44} \end{array}$ $\begin{array}{r} \\ 4 \overline{) 48} \end{array}$ $\begin{array}{r} \\ 4 \overline{) 84} \end{array}$
- $\begin{array}{r} \\ 5 \overline{) 5} \end{array}$ $\begin{array}{r} \\ 5 \overline{) 55} \end{array}$ $\begin{array}{r} \\ 5 \overline{) 10} \end{array}$ $\begin{array}{r} \\ 5 \overline{) 105} \end{array}$
- $\begin{array}{r} \\ 6 \overline{) 6} \end{array}$ $\begin{array}{r} \\ 6 \overline{) 66} \end{array}$ $\begin{array}{r} \\ 6 \overline{) 12} \end{array}$ $\begin{array}{r} \\ 6 \overline{) 126} \end{array}$
- $\begin{array}{r} \\ 7 \overline{) 7} \end{array}$ $\begin{array}{r} \\ 7 \overline{) 77} \end{array}$ $\begin{array}{r} \\ 7 \overline{) 14} \end{array}$ $\begin{array}{r} \\ 7 \overline{) 147} \end{array}$
- $\begin{array}{r} \\ 8 \overline{) 8} \end{array}$ $\begin{array}{r} \\ 8 \overline{) 88} \end{array}$ $\begin{array}{r} \\ 8 \overline{) 16} \end{array}$ $\begin{array}{r} \\ 8 \overline{) 168} \end{array}$
- $\begin{array}{r} \\ 9 \overline{) 9} \end{array}$ $\begin{array}{r} \\ 9 \overline{) 99} \end{array}$ $\begin{array}{r} \\ 9 \overline{) 18} \end{array}$ $\begin{array}{r} \\ 9 \overline{) 189} \end{array}$

Multiplication and Division

Write the answers. (See number one.)

Multiply:

- (1) $\underline{\quad 2 \quad} \times 3 = 6$ There are $\underline{\quad 2 \quad}$ threes in 6. $\begin{array}{r} 2 \\ 3 \overline{) 6} \end{array}$
- (2) $\underline{\quad \quad} \times 1 = 2$ There are $\underline{\quad \quad}$ ones in 2. $\begin{array}{r} \\ 2 \overline{) 2} \end{array}$
- (3) $\underline{\quad \quad} \times 7 = 14$ There are $\underline{\quad \quad}$ sevens in 14. $\begin{array}{r} \\ 7 \overline{) 14} \end{array}$
- (4) $\underline{\quad \quad} \times 5 = 10$ There are $\underline{\quad \quad}$ fives in 10. $\begin{array}{r} \\ 5 \overline{) 10} \end{array}$
- (5) $\underline{\quad \quad} \times 9 = 18$ There are $\underline{\quad \quad}$ nines in 18. $\begin{array}{r} \\ 9 \overline{) 18} \end{array}$
- (6) $\underline{\quad \quad} \times 4 = 8$ There are $\underline{\quad \quad}$ fours in 8. $\begin{array}{r} \\ 4 \overline{) 8} \end{array}$
- (7) $\underline{\quad \quad} \times 6 = 12$ There are $\underline{\quad \quad}$ sixes in 12. $\begin{array}{r} \\ 6 \overline{) 12} \end{array}$
- (8) $\underline{\quad \quad} \times 8 = 16$ There are $\underline{\quad \quad}$ eights in 16. $\begin{array}{r} \\ 8 \overline{) 16} \end{array}$

$$\begin{array}{r} 342 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 412 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 511 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 621 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 831 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 914 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 211 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 210 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 201 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 210 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 220 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 201 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 436 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 547 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 328 \\ \times 2 \\ \hline \end{array}$$

(9) $\begin{array}{r} \\ 2 \overline{) 2} \end{array}$

(10) $\begin{array}{r} \\ 6 \overline{) 6} \end{array}$

$2 \div 2 =$

$6 \div 6 =$

2 into 2 is $\underline{\quad \quad}$.

6 into 6 is $\underline{\quad \quad}$.

2 divided by 2 is $\underline{\quad \quad}$.

6 divided by 6 is $\underline{\quad \quad}$.

(11) $\begin{array}{r} \\ 7 \overline{) 7} \end{array}$

(12) $\begin{array}{r} \\ 5 \overline{) 5} \end{array}$

$7 \div 7 =$

$5 \div 5 =$

7 into 7 is $\underline{\quad \quad}$.

5 into 5 is $\underline{\quad \quad}$.

7 divided by 7 is $\underline{\quad \quad}$.

5 divided by 5 is $\underline{\quad \quad}$.

Divide:

$$\begin{array}{r} 2 \overline{) 126} \end{array}$$

$$\begin{array}{r} 6 \overline{) 126} \end{array}$$

$$\begin{array}{r} 7 \overline{) 147} \end{array}$$

$$\begin{array}{r} 8 \overline{) 168} \end{array}$$

$$\begin{array}{r} 9 \overline{) 189} \end{array}$$

$$\begin{array}{r} 5 \overline{) 105} \end{array}$$

$$\begin{array}{r} 3 \overline{) 363} \end{array}$$

$$\begin{array}{r} 4 \overline{) 484} \end{array}$$

(13) $\begin{array}{r} \\ 3 \overline{) 3} \end{array}$

$\begin{array}{r} \\ 4 \overline{) 4} \end{array}$

$\begin{array}{r} \\ 8 \overline{) 8} \end{array}$

$\begin{array}{r} \\ 9 \overline{) 9} \end{array}$

$\begin{array}{r} \\ 5 \overline{) 5} \end{array}$

$$\begin{array}{r} 5 \overline{) 550} \end{array}$$

$$\begin{array}{r} 2 \overline{) 864} \end{array}$$

Using Families

Write the sums. Can you use families in addition?

$\begin{array}{r} 2 \\ 7 \end{array}$	$\begin{array}{r} 12 \\ 7 \end{array}$	$\begin{array}{r} 22 \\ 7 \end{array}$	$\begin{array}{r} 32 \\ 7 \end{array}$	$\begin{array}{r} 42 \\ 7 \end{array}$	$\begin{array}{r} 52 \\ 7 \end{array}$	$\begin{array}{r} 4 \\ 5 \end{array}$	$\begin{array}{r} 14 \\ 5 \end{array}$	$\begin{array}{r} 24 \\ 5 \end{array}$	$\begin{array}{r} 34 \\ 5 \end{array}$
$\begin{array}{r} 5 \\ 3 \end{array}$	$\begin{array}{r} 25 \\ 3 \end{array}$	$\begin{array}{r} 45 \\ 3 \end{array}$	$\begin{array}{r} 8 \\ 1 \end{array}$	$\begin{array}{r} 18 \\ 1 \end{array}$	$\begin{array}{r} 28 \\ 1 \end{array}$	$\begin{array}{r} 3 \\ 4 \end{array}$	$\begin{array}{r} 13 \\ 4 \end{array}$	$\begin{array}{r} 23 \\ 4 \end{array}$	$\begin{array}{r} 33 \\ 4 \end{array}$
$\begin{array}{r} 0 \\ 7 \end{array}$	$\begin{array}{r} 10 \\ 7 \end{array}$	$\begin{array}{r} 20 \\ 7 \end{array}$	$\begin{array}{r} 2 \\ 3 \end{array}$	$\begin{array}{r} 32 \\ 3 \end{array}$	$\begin{array}{r} 62 \\ 3 \end{array}$	$\begin{array}{r} 1 \\ 5 \end{array}$	$\begin{array}{r} 11 \\ 5 \end{array}$	$\begin{array}{r} 41 \\ 5 \end{array}$	$\begin{array}{r} 71 \\ 5 \end{array}$
$\begin{array}{r} 4 \\ 7 \end{array}$	$\begin{array}{r} 14 \\ 7 \end{array}$	$\begin{array}{r} 24 \\ 7 \end{array}$	$\begin{array}{r} 6 \\ 7 \end{array}$	$\begin{array}{r} 16 \\ 7 \end{array}$	$\begin{array}{r} 46 \\ 7 \end{array}$	$\begin{array}{r} 8 \\ 5 \end{array}$	$\begin{array}{r} 28 \\ 5 \end{array}$	$\begin{array}{r} 48 \\ 5 \end{array}$	$\begin{array}{r} 68 \\ 5 \end{array}$
$\begin{array}{r} 9 \\ 3 \end{array}$	$\begin{array}{r} 19 \\ 3 \end{array}$	$\begin{array}{r} 39 \\ 3 \end{array}$	$\begin{array}{r} 6 \\ 6 \end{array}$	$\begin{array}{r} 16 \\ 6 \end{array}$	$\begin{array}{r} 26 \\ 6 \end{array}$	$\begin{array}{r} 4 \\ 6 \end{array}$	$\begin{array}{r} 14 \\ 6 \end{array}$	$\begin{array}{r} 24 \\ 6 \end{array}$	$\begin{array}{r} 44 \\ 6 \end{array}$
$\begin{array}{r} 2 \\ 9 \end{array}$	$\begin{array}{r} 12 \\ 9 \end{array}$	$\begin{array}{r} 22 \\ 9 \end{array}$	$\begin{array}{r} 4 \\ 9 \end{array}$	$\begin{array}{r} 34 \\ 9 \end{array}$	$\begin{array}{r} 54 \\ 9 \end{array}$	$\begin{array}{r} 3 \\ 7 \end{array}$	$\begin{array}{r} 13 \\ 7 \end{array}$	$\begin{array}{r} 33 \\ 7 \end{array}$	$\begin{array}{r} 43 \\ 7 \end{array}$

Write the remainders. Can you use endings in subtracting?

$\begin{array}{r} 6 \\ 5 \end{array}$	$\begin{array}{r} 16 \\ 5 \end{array}$	$\begin{array}{r} 26 \\ 5 \end{array}$	$\begin{array}{r} 7 \\ 4 \end{array}$	$\begin{array}{r} 17 \\ 4 \end{array}$	$\begin{array}{r} 37 \\ 4 \end{array}$	$\begin{array}{r} 8 \\ 2 \end{array}$	$\begin{array}{r} 18 \\ 2 \end{array}$	$\begin{array}{r} 28 \\ 2 \end{array}$	$\begin{array}{r} 38 \\ 2 \end{array}$
$\begin{array}{r} 9 \\ 6 \end{array}$	$\begin{array}{r} 19 \\ 6 \end{array}$	$\begin{array}{r} 29 \\ 6 \end{array}$	$\begin{array}{r} 10 \\ 7 \end{array}$	$\begin{array}{r} 20 \\ 7 \end{array}$	$\begin{array}{r} 30 \\ 7 \end{array}$	$\begin{array}{r} 11 \\ 8 \end{array}$	$\begin{array}{r} 21 \\ 8 \end{array}$	$\begin{array}{r} 31 \\ 8 \end{array}$	$\begin{array}{r} 41 \\ 8 \end{array}$
$\begin{array}{r} 13 \\ 7 \end{array}$	$\begin{array}{r} 23 \\ 7 \end{array}$	$\begin{array}{r} 33 \\ 7 \end{array}$	$\begin{array}{r} 12 \\ 6 \end{array}$	$\begin{array}{r} 22 \\ 6 \end{array}$	$\begin{array}{r} 32 \\ 6 \end{array}$	$\begin{array}{r} 11 \\ 9 \end{array}$	$\begin{array}{r} 21 \\ 9 \end{array}$	$\begin{array}{r} 31 \\ 9 \end{array}$	$\begin{array}{r} 41 \\ 9 \end{array}$

Perfect score is 90. My Score _____.

Using What You Have Learned

Do these problems. Show how you work them. See number one.

Find these answers.
Watch the signs.

- (1) Sally is 53 inches tall. Her little brother is 40 inches tall. How much taller is Sally than her brother? 13 inches.
- (2) Joe earned 35 cents. He spent a nickel for a ball and saved the rest. How much does Joe still have? _____ cents.
- (3) Jack bought two bus tickets for Aunt Jane and himself. Each ticket cost 75 cents. How much did the tickets cost? _____
- (4) Dick and Bob save stamps. Dick has 62 stamps and Bob has 27. How many more stamps has Dick than Bob? _____ stamps.
- (5) Henry's lunch cost 24 cents and his little sister's lunch cost 17 cents. How much did both lunches cost? _____ cents.
- (6) Tom's mother divided 12 cookies equally among Tom and five friends. How many cookies did each boy get? _____ cookies.
- (7) Eggs are 62 cents a dozen at one store and 57 cents a dozen at another store. What is the difference in the price of a dozen eggs? _____ cents.
- (8) Don's mother paid \$4.25 for his new shoes, \$1.20 for his new sweater, and \$.46 for his new necktie. How much did she spend in all? _____

$$\begin{array}{r} 53 \\ 40 \\ \hline 13 \end{array}$$

- (1) $4 + 3 =$
- (2) $7 + 7 =$
- (3) $2 \times 7 =$
- (4) $14 \div 2 =$
- (5) $14 \div 7 =$
- (6) $14 - 7 =$
- (7) $6 + 2 =$
- (8) $8 - 6 =$
- (9) $8 \div 2 =$
- (10) $10 \div 2 =$
- (11) $10 - 5 =$
- (12) $9 - 4 =$
- (13) $12 - 6 =$
- (14) $12 \div 2 =$
- (15) $2 \times 6 =$
- (16) $2 \times 8 =$
- (17) $2 \times 2 =$
- (18) $7 - 7 =$
- (19) $8 - 0 =$
- (20) $2 \times 9 =$
- (21) $2 \times 3 =$
- (22) $7 + 5 =$
- (23) $16 \div 2 =$
- (24) $13 - 6 =$
- (25) $3 - 3 =$
- (26) $9 - 0 =$
- (27) $8 + 5 =$

Review Addition Facts

Cover the answers with paper. Write your answers on a folded paper. Practice until you can give all the sums quickly and without making a mistake.

$\frac{3}{6}$ <u>9</u>	$\frac{4}{3}$ <u>7</u>	$\frac{2}{7}$ <u>9</u>	$\frac{6}{2}$ <u>8</u>	$\frac{3}{5}$ <u>8</u>	$\frac{2}{3}$ <u>5</u>	$\frac{5}{2}$ <u>7</u>	$\frac{0}{1}$ <u>1</u>	$\frac{4}{1}$ <u>5</u>
$\frac{3}{3}$ <u>6</u>	$\frac{1}{6}$ <u>7</u>	$\frac{4}{5}$ <u>9</u>	$\frac{0}{5}$ <u>5</u>	$\frac{3}{0}$ <u>3</u>	$\frac{1}{2}$ <u>3</u>	$\frac{0}{6}$ <u>6</u>	$\frac{4}{4}$ <u>8</u>	$\frac{9}{0}$ <u>9</u>
$\frac{1}{3}$ <u>4</u>	$\frac{3}{2}$ <u>5</u>	$\frac{8}{1}$ <u>9</u>	$\frac{2}{6}$ <u>8</u>	$\frac{3}{4}$ <u>7</u>	$\frac{1}{1}$ <u>2</u>	$\frac{2}{2}$ <u>4</u>	$\frac{2}{5}$ <u>7</u>	$\frac{0}{8}$ <u>8</u>
$\frac{5}{1}$ <u>6</u>	$\frac{4}{2}$ <u>6</u>	$\frac{1}{7}$ <u>8</u>	$\frac{5}{3}$ <u>8</u>	$\frac{0}{2}$ <u>2</u>	$\frac{7}{2}$ <u>9</u>	$\frac{7}{1}$ <u>8</u>	$\frac{6}{3}$ <u>9</u>	$\frac{5}{4}$ <u>9</u>

More Addition Facts

$\frac{8}{2}$ <u>10</u>	$\frac{5}{6}$ <u>11</u>	$\frac{9}{4}$ <u>13</u>	$\frac{2}{9}$ <u>11</u>	$\frac{3}{9}$ <u>12</u>	$\frac{5}{8}$ <u>13</u>	$\frac{7}{3}$ <u>10</u>	$\frac{1}{9}$ <u>10</u>	$\frac{6}{4}$ <u>10</u>
$\frac{3}{7}$ <u>10</u>	$\frac{6}{6}$ <u>12</u>	$\frac{4}{7}$ <u>11</u>	$\frac{5}{7}$ <u>12</u>	$\frac{8}{3}$ <u>11</u>	$\frac{8}{5}$ <u>13</u>	$\frac{8}{4}$ <u>12</u>	$\frac{2}{8}$ <u>10</u>	$\frac{7}{5}$ <u>12</u>
$\frac{6}{7}$ <u>13</u>	$\frac{6}{5}$ <u>11</u>	$\frac{5}{5}$ <u>10</u>	$\frac{9}{2}$ <u>11</u>	$\frac{4}{9}$ <u>13</u>	$\frac{4}{6}$ <u>10</u>	$\frac{9}{3}$ <u>12</u>	$\frac{9}{1}$ <u>10</u>	$\frac{7}{4}$ <u>11</u>
Add:								
$\frac{91}{14}$	$\frac{27}{32}$	$\frac{35}{43}$	$\frac{40}{21}$	$\frac{60}{30}$	$\frac{42}{32}$	$\frac{52}{21}$	$\frac{63}{23}$	$\frac{44}{54}$
$\frac{57}{62}$	$\frac{73}{55}$	$\frac{96}{42}$	$\frac{75}{62}$	$\frac{72}{40}$	$\frac{82}{32}$	$\frac{90}{24}$	$\frac{60}{40}$	$\frac{77}{30}$

Review Subtraction Facts

Cover the answers with paper. Write your answers on a folded paper. Practice until you can give all differences quickly and without a mistake.

$\frac{9}{6}$ <u>3</u>	$\frac{7}{4}$ <u>3</u>	$\frac{4}{2}$ <u>2</u>	$\frac{5}{1}$ <u>4</u>	$\frac{8}{3}$ <u>5</u>	$\frac{9}{2}$ <u>7</u>	$\frac{6}{3}$ <u>3</u>	$\frac{8}{1}$ <u>7</u>	$\frac{2}{1}$ <u>1</u>
$\frac{8}{5}$ <u>3</u>	$\frac{7}{1}$ <u>6</u>	$\frac{5}{2}$ <u>3</u>	$\frac{3}{3}$ <u>0</u>	$\frac{1}{0}$ <u>1</u>	$\frac{6}{1}$ <u>5</u>	$\frac{9}{0}$ <u>9</u>	$\frac{2}{2}$ <u>0</u>	$\frac{7}{6}$ <u>1</u>
$\frac{9}{5}$ <u>4</u>	$\frac{8}{6}$ <u>2</u>	$\frac{5}{4}$ <u>1</u>	$\frac{3}{1}$ <u>2</u>	$\frac{1}{1}$ <u>0</u>	$\frac{9}{3}$ <u>6</u>	$\frac{8}{7}$ <u>1</u>	$\frac{5}{3}$ <u>2</u>	$\frac{9}{4}$ <u>5</u>
$\frac{9}{7}$ <u>2</u>	$\frac{3}{2}$ <u>1</u>	$\frac{8}{4}$ <u>4</u>	$\frac{4}{1}$ <u>3</u>	$\frac{7}{5}$ <u>2</u>	$\frac{7}{3}$ <u>4</u>	$\frac{6}{5}$ <u>1</u>	$\frac{9}{1}$ <u>8</u>	$\frac{6}{4}$ <u>2</u>

More Subtraction Facts

$\frac{10}{2}$ <u>8</u>	$\frac{11}{6}$ <u>5</u>	$\frac{12}{4}$ <u>8</u>	$\frac{12}{3}$ <u>9</u>	$\frac{10}{4}$ <u>6</u>	$\frac{11}{7}$ <u>4</u>	$\frac{12}{7}$ <u>5</u>	$\frac{11}{8}$ <u>3</u>	$\frac{10}{5}$ <u>5</u>
$\frac{12}{6}$ <u>6</u>	$\frac{12}{9}$ <u>3</u>	$\frac{11}{4}$ <u>7</u>	$\frac{13}{6}$ <u>7</u>	$\frac{13}{8}$ <u>5</u>	$\frac{11}{3}$ <u>8</u>	$\frac{10}{3}$ <u>7</u>	$\frac{11}{2}$ <u>9</u>	$\frac{12}{8}$ <u>4</u>
$\frac{10}{6}$ <u>4</u>	$\frac{11}{9}$ <u>2</u>	$\frac{10}{7}$ <u>3</u>	$\frac{13}{9}$ <u>4</u>	$\frac{12}{5}$ <u>7</u>	$\frac{10}{9}$ <u>1</u>	$\frac{11}{5}$ <u>6</u>	$\frac{10}{8}$ <u>2</u>	$\frac{10}{1}$ <u>9</u>

Subtract:

$\frac{117}{43}$	$\frac{128}{64}$	$\frac{139}{76}$	$\frac{107}{46}$	$\frac{136}{50}$	$\frac{116}{56}$	$\frac{124}{70}$	$\frac{105}{74}$
$\frac{136}{95}$	$\frac{127}{47}$	$\frac{108}{98}$	$\frac{114}{90}$	$\frac{120}{90}$	$\frac{105}{24}$	$\frac{133}{82}$	$\frac{117}{85}$

Addition and Subtraction

Addition. Carry once.

$$\begin{array}{r} 74 \\ 16 \\ \hline \end{array} \quad \begin{array}{r} 51 \\ 29 \\ \hline \end{array} \quad \begin{array}{r} 45 \\ 45 \\ \hline \end{array} \quad \begin{array}{r} 26 \\ 37 \\ \hline \end{array} \quad \begin{array}{r} 42 \\ 39 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ 12 \\ \hline \end{array} \quad \begin{array}{r} 27 \\ 35 \\ \hline \end{array} \quad \begin{array}{r} 69 \\ 32 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ 86 \\ \hline \end{array} \quad \begin{array}{r} 57 \\ 33 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ 13 \\ 44 \\ \hline \end{array} \quad \begin{array}{r} 32 \\ 32 \\ 37 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ 24 \\ 12 \\ \hline \end{array} \quad \begin{array}{r} 35 \\ 12 \\ 23 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ 26 \\ 43 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ 10 \\ 18 \\ \hline \end{array} \quad \begin{array}{r} 65 \\ 20 \\ 16 \\ \hline \end{array} \quad \begin{array}{r} 40 \\ 19 \\ 12 \\ \hline \end{array} \quad \begin{array}{r} 46 \\ 2 \\ 14 \\ \hline \end{array} \quad \begin{array}{r} 52 \\ 4 \\ 27 \\ \hline \end{array}$$

$$\begin{array}{r} 243 \\ 231 \\ 417 \\ \hline \end{array} \quad \begin{array}{r} 225 \\ 322 \\ 215 \\ \hline \end{array} \quad \begin{array}{r} 113 \\ 423 \\ 344 \\ \hline \end{array} \quad \begin{array}{r} 227 \\ 413 \\ 123 \\ \hline \end{array}$$

$$\begin{array}{r} \$7.29 \\ 3.12 \\ \hline \end{array} \quad \begin{array}{r} \$4.76 \\ 2.15 \\ \hline \end{array} \quad \begin{array}{r} \$5.28 \\ 1.34 \\ \hline \end{array} \quad \begin{array}{r} \$4.59 \\ 1.24 \\ \hline \end{array}$$

$$\begin{array}{r} \$9.08 \\ 1.35 \\ \hline \end{array} \quad \begin{array}{r} \$4.07 \\ 4.03 \\ \hline \end{array} \quad \begin{array}{r} \$5.16 \\ 3.14 \\ \hline \end{array} \quad \begin{array}{r} \$6.26 \\ 1.37 \\ \hline \end{array}$$

$$\begin{array}{r} \$2.22 \\ 3.05 \\ 1.64 \\ \hline \end{array} \quad \begin{array}{r} \$4.03 \\ 3.44 \\ 1.04 \\ \hline \end{array} \quad \begin{array}{r} \$2.09 \\ 4.01 \\ 3.62 \\ \hline \end{array} \quad \begin{array}{r} \$5.18 \\ 4.05 \\ 1.10 \\ \hline \end{array}$$

Subtraction. Carry or borrow once.

$$\begin{array}{r} 82 \\ 56 \\ \hline \end{array} \quad \begin{array}{r} 70 \\ 28 \\ \hline \end{array} \quad \begin{array}{r} 51 \\ 24 \\ \hline \end{array} \quad \begin{array}{r} 92 \\ 25 \\ \hline \end{array} \quad \begin{array}{r} 61 \\ 25 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ 38 \\ \hline \end{array} \quad \begin{array}{r} 43 \\ 27 \\ \hline \end{array} \quad \begin{array}{r} 91 \\ 33 \\ \hline \end{array} \quad \begin{array}{r} 82 \\ 67 \\ \hline \end{array} \quad \begin{array}{r} 63 \\ 36 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ 39 \\ \hline \end{array} \quad \begin{array}{r} 81 \\ 36 \\ \hline \end{array} \quad \begin{array}{r} 92 \\ 43 \\ \hline \end{array} \quad \begin{array}{r} 71 \\ 47 \\ \hline \end{array} \quad \begin{array}{r} 82 \\ 44 \\ \hline \end{array}$$

$$\begin{array}{r} 61 \\ 58 \\ \hline \end{array} \quad \begin{array}{r} 73 \\ 68 \\ \hline \end{array} \quad \begin{array}{r} 81 \\ 79 \\ \hline \end{array} \quad \begin{array}{r} 93 \\ 84 \\ \hline \end{array} \quad \begin{array}{r} 53 \\ 49 \\ \hline \end{array}$$

$$\begin{array}{r} 483 \\ 176 \\ \hline \end{array} \quad \begin{array}{r} 592 \\ 386 \\ \hline \end{array} \quad \begin{array}{r} 451 \\ 146 \\ \hline \end{array} \quad \begin{array}{r} 660 \\ 406 \\ \hline \end{array}$$

$$\begin{array}{r} 580 \\ 407 \\ \hline \end{array} \quad \begin{array}{r} 833 \\ 527 \\ \hline \end{array} \quad \begin{array}{r} 642 \\ 507 \\ \hline \end{array} \quad \begin{array}{r} 751 \\ 507 \\ \hline \end{array}$$

$$\begin{array}{r} \$5.42 \\ 1.16 \\ \hline \end{array} \quad \begin{array}{r} \$3.41 \\ 2.26 \\ \hline \end{array} \quad \begin{array}{r} \$4.50 \\ 3.36 \\ \hline \end{array} \quad \begin{array}{r} \$2.83 \\ 1.76 \\ \hline \end{array}$$

$$\begin{array}{r} \$6.73 \\ 2.08 \\ \hline \end{array} \quad \begin{array}{r} \$7.92 \\ 3.88 \\ \hline \end{array} \quad \begin{array}{r} \$4.81 \\ 1.78 \\ \hline \end{array} \quad \begin{array}{r} \$3.70 \\ 2.68 \\ \hline \end{array}$$

$$\begin{array}{r} \$8.80 \\ 1.05 \\ \hline \end{array} \quad \begin{array}{r} \$9.41 \\ 2.05 \\ \hline \end{array} \quad \begin{array}{r} \$2.93 \\ 1.05 \\ \hline \end{array} \quad \begin{array}{r} \$4.72 \\ 3.65 \\ \hline \end{array}$$

Perfect score is 76. My Score _____.

Addition Facts About 14 and 15

Learn these addition facts if you do not know them.

$\begin{array}{r} 7 \\ 7 \\ \hline 14 \end{array}$	$\begin{array}{r} 5 \\ 9 \\ \hline 14 \end{array}$	$\begin{array}{r} 8 \\ 6 \\ \hline 14 \end{array}$	$\begin{array}{r} 9 \\ 5 \\ \hline 14 \end{array}$	$\begin{array}{r} 6 \\ 8 \\ \hline 14 \end{array}$	$\begin{array}{r} 9 \\ 6 \\ \hline 15 \end{array}$	$\begin{array}{r} 7 \\ 8 \\ \hline 15 \end{array}$	$\begin{array}{r} 6 \\ 9 \\ \hline 15 \end{array}$	$\begin{array}{r} 8 \\ 7 \\ \hline 15 \end{array}$	$\begin{array}{r} 10 \\ 5 \\ \hline 15 \end{array}$
--	--	--	--	--	--	--	--	--	---

Find the sums. Add downward. Check by adding upward.

$\begin{array}{r} 5 \\ 5 \\ \hline 5 \end{array}$	$\begin{array}{r} 6 \\ 4 \\ \hline 3 \end{array}$	$\begin{array}{r} 4 \\ 3 \\ \hline 7 \end{array}$	$\begin{array}{r} 2 \\ 3 \\ \hline 9 \end{array}$	$\begin{array}{r} 4 \\ 4 \\ \hline 6 \end{array}$	$\begin{array}{r} 6 \\ 3 \\ \hline 5 \end{array}$	$\begin{array}{r} 5 \\ 1 \\ \hline 8 \end{array}$	$\begin{array}{r} 4 \\ 5 \\ \hline 6 \end{array}$	$\begin{array}{r} 5 \\ 2 \\ \hline 8 \end{array}$	$\begin{array}{r} 4 \\ 2 \\ \hline 9 \end{array}$	$\begin{array}{r} 5 \\ 3 \\ \hline 7 \end{array}$	$\begin{array}{r} 4 \\ 3 \\ \hline 8 \end{array}$
---	---	---	---	---	---	---	---	---	---	---	---

Addition with zeros and carrying once. Add downward.

$\begin{array}{r} 50 \\ 63 \\ \hline \end{array}$	$\begin{array}{r} 62 \\ 60 \\ \hline \end{array}$	$\begin{array}{r} 80 \\ 50 \\ \hline \end{array}$	$\begin{array}{r} 77 \\ 50 \\ \hline \end{array}$	$\begin{array}{r} 70 \\ 70 \\ \hline \end{array}$	$\begin{array}{r} 98 \\ 50 \\ \hline \end{array}$	$\begin{array}{r} 90 \\ 68 \\ \hline \end{array}$	$\begin{array}{r} 80 \\ 77 \\ \hline \end{array}$	$\begin{array}{r} 80 \\ 64 \\ \hline \end{array}$	$\begin{array}{r} 70 \\ 60 \\ \hline \end{array}$
$\begin{array}{r} 64 \\ 28 \\ \hline 1 \end{array}$	$\begin{array}{r} 99 \\ 32 \\ \hline 1 \end{array}$	$\begin{array}{r} 84 \\ 6 \\ \hline 25 \end{array}$	$\begin{array}{r} 70 \\ 77 \\ \hline 4 \end{array}$	$\begin{array}{r} 9 \\ 20 \\ \hline 5 \end{array}$	$\begin{array}{r} 65 \\ 94 \\ \hline 2 \end{array}$	$\begin{array}{r} 48 \\ 56 \\ \hline 10 \end{array}$	$\begin{array}{r} 79 \\ 6 \\ \hline 20 \end{array}$	$\begin{array}{r} 26 \\ 48 \\ \hline 10 \end{array}$	$\begin{array}{r} 8 \\ 7 \\ \hline 20 \end{array}$

Addition with carrying once or twice. Add downward.

$\begin{array}{r} 475 \\ 369 \\ \hline \end{array}$	$\begin{array}{r} 597 \\ 237 \\ \hline \end{array}$	$\begin{array}{r} 589 \\ 346 \\ \hline \end{array}$	$\begin{array}{r} 378 \\ 357 \\ \hline \end{array}$	$\begin{array}{r} 779 \\ 254 \\ \hline \end{array}$	$\begin{array}{r} 597 \\ 128 \\ \hline \end{array}$	$\begin{array}{r} 286 \\ 534 \\ \hline \end{array}$	$\begin{array}{r} 567 \\ 354 \\ \hline \end{array}$
$\begin{array}{r} 650 \\ 278 \\ \hline \end{array}$	$\begin{array}{r} 388 \\ 256 \\ \hline \end{array}$	$\begin{array}{r} 247 \\ 668 \\ \hline \end{array}$	$\begin{array}{r} 739 \\ 283 \\ \hline \end{array}$	$\begin{array}{r} 699 \\ 236 \\ \hline \end{array}$	$\begin{array}{r} 447 \\ 287 \\ \hline \end{array}$	$\begin{array}{r} 666 \\ 368 \\ \hline \end{array}$	$\begin{array}{r} 498 \\ 523 \\ \hline \end{array}$
$\begin{array}{r} 246 \\ 98 \\ \hline 701 \end{array}$	$\begin{array}{r} 347 \\ 3 \\ \hline 564 \end{array}$	$\begin{array}{r} 578 \\ 404 \\ \hline 63 \end{array}$	$\begin{array}{r} 238 \\ 670 \\ \hline 37 \end{array}$	$\begin{array}{r} 329 \\ 96 \\ \hline 420 \end{array}$	$\begin{array}{r} 647 \\ 270 \\ \hline 117 \end{array}$	$\begin{array}{r} 789 \\ 650 \\ \hline 15 \end{array}$	$\begin{array}{r} 276 \\ 218 \\ \hline 250 \end{array}$
$\begin{array}{r} \$4.25 \\ 4.34 \\ \hline \end{array}$	$\begin{array}{r} \$4.28 \\ 1.27 \\ \hline \end{array}$	$\begin{array}{r} \$8.06 \\ 1.78 \\ \hline \end{array}$	$\begin{array}{r} \$7.05 \\ 2.19 \\ \hline \end{array}$	$\begin{array}{r} \$6.57 \\ 4.87 \\ \hline \end{array}$	$\begin{array}{r} \$9.76 \\ 3.56 \\ \hline \end{array}$	$\begin{array}{r} \$7.88 \\ 6.04 \\ \hline \end{array}$	$\begin{array}{r} \$8.70 \\ 3.49 \\ \hline \end{array}$

Subtraction Facts About 14 and 15

Learn these subtraction facts if you do not know them.

$\begin{array}{r} 14 \\ 7 \\ \hline 7 \end{array}$	$\begin{array}{r} 14 \\ 8 \\ \hline 6 \end{array}$	$\begin{array}{r} 14 \\ 6 \\ \hline 8 \end{array}$	$\begin{array}{r} 14 \\ 9 \\ \hline 5 \end{array}$	$\begin{array}{r} 14 \\ 5 \\ \hline 9 \end{array}$	$\begin{array}{r} 15 \\ 9 \\ \hline 6 \end{array}$	$\begin{array}{r} 15 \\ 6 \\ \hline 9 \end{array}$	$\begin{array}{r} 15 \\ 8 \\ \hline 7 \end{array}$	$\begin{array}{r} 15 \\ 7 \\ \hline 8 \end{array}$	$\begin{array}{r} 15 \\ 5 \\ \hline 10 \end{array}$
--	--	--	--	--	--	--	--	--	---

Find the remainders.

$\begin{array}{r} 875 \\ 251 \\ \hline \end{array}$	$\begin{array}{r} 797 \\ 385 \\ \hline \end{array}$	$\begin{array}{r} 967 \\ 242 \\ \hline \end{array}$	$\begin{array}{r} 865 \\ 354 \\ \hline \end{array}$	$\begin{array}{r} 925 \\ 323 \\ \hline \end{array}$	$\begin{array}{r} 859 \\ 445 \\ \hline \end{array}$	$\begin{array}{r} 768 \\ 154 \\ \hline \end{array}$	$\begin{array}{r} 968 \\ 427 \\ \hline \end{array}$
---	---	---	---	---	---	---	---

Subtraction with zeros. Find the remainders.

$\begin{array}{r} 895 \\ 205 \\ \hline \end{array}$	$\begin{array}{r} 976 \\ 170 \\ \hline \end{array}$	$\begin{array}{r} 567 \\ 460 \\ \hline \end{array}$	$\begin{array}{r} 887 \\ 385 \\ \hline \end{array}$	$\begin{array}{r} 342 \\ 102 \\ \hline \end{array}$	$\begin{array}{r} 679 \\ 479 \\ \hline \end{array}$	$\begin{array}{r} 600 \\ 300 \\ \hline \end{array}$	$\begin{array}{r} 708 \\ 508 \\ \hline \end{array}$
---	---	---	---	---	---	---	---

Subtraction with carrying or borrowing once. Write the remainders.

$\begin{array}{r} 780 \\ 405 \\ \hline \end{array}$	$\begin{array}{r} 830 \\ 502 \\ \hline \end{array}$	$\begin{array}{r} 861 \\ 825 \\ \hline \end{array}$	$\begin{array}{r} 942 \\ 37 \\ \hline \end{array}$	$\begin{array}{r} 691 \\ 53 \\ \hline \end{array}$	$\begin{array}{r} 775 \\ 69 \\ \hline \end{array}$	$\begin{array}{r} 533 \\ 27 \\ \hline \end{array}$	$\begin{array}{r} 464 \\ 46 \\ \hline \end{array}$
---	---	---	--	--	--	--	--

Subtraction with carrying or borrowing twice. Find the remainders.

$\begin{array}{r} 621 \\ 247 \\ \hline \end{array}$	$\begin{array}{r} 554 \\ 389 \\ \hline \end{array}$	$\begin{array}{r} 644 \\ 196 \\ \hline \end{array}$	$\begin{array}{r} 543 \\ 285 \\ \hline \end{array}$	$\begin{array}{r} 644 \\ 157 \\ \hline \end{array}$	$\begin{array}{r} 855 \\ 399 \\ \hline \end{array}$	$\begin{array}{r} 755 \\ 488 \\ \hline \end{array}$	$\begin{array}{r} 655 \\ 167 \\ \hline \end{array}$
---	---	---	---	---	---	---	---

$\begin{array}{r} 301 \\ 149 \\ \hline \end{array}$	$\begin{array}{r} 602 \\ 318 \\ \hline \end{array}$	$\begin{array}{r} 401 \\ 256 \\ \hline \end{array}$	$\begin{array}{r} 505 \\ 178 \\ \hline \end{array}$	$\begin{array}{r} 501 \\ 428 \\ \hline \end{array}$	$\begin{array}{r} 923 \\ 774 \\ \hline \end{array}$	$\begin{array}{r} 823 \\ 187 \\ \hline \end{array}$	$\begin{array}{r} 723 \\ 396 \\ \hline \end{array}$
---	---	---	---	---	---	---	---

Subtracting dollars and cents. Write the remainders.

$\begin{array}{r} \$4.54 \\ 2.41 \\ \hline \end{array}$	$\begin{array}{r} \$5.69 \\ 2.27 \\ \hline \end{array}$	$\begin{array}{r} \$9.87 \\ 2.87 \\ \hline \end{array}$	$\begin{array}{r} \$9.76 \\ 7.06 \\ \hline \end{array}$	$\begin{array}{r} \$6.02 \\ 3.01 \\ \hline \end{array}$	$\begin{array}{r} \$7.09 \\ 2.05 \\ \hline \end{array}$	$\begin{array}{r} \$8.00 \\ 4.00 \\ \hline \end{array}$	$\begin{array}{r} \$9.80 \\ 7.50 \\ \hline \end{array}$
---	---	---	---	---	---	---	---

$\begin{array}{r} \$7.62 \\ 5.17 \\ \hline \end{array}$	$\begin{array}{r} \$7.84 \\ 3.29 \\ \hline \end{array}$	$\begin{array}{r} \$8.92 \\ 3.29 \\ \hline \end{array}$	$\begin{array}{r} \$9.93 \\ 3.67 \\ \hline \end{array}$	$\begin{array}{r} \$9.45 \\ 4.59 \\ \hline \end{array}$	$\begin{array}{r} \$7.54 \\ 4.76 \\ \hline \end{array}$	$\begin{array}{r} \$4.55 \\ 1.58 \\ \hline \end{array}$	$\begin{array}{r} \$6.55 \\ 2.87 \\ \hline \end{array}$
---	---	---	---	---	---	---	---

Review

Test 1. Addition

(1)	(2)	(3)	(4)	(5)	(6)	(7)
$\begin{array}{r} 4 \\ 8 \\ \hline 1 \end{array}$	$\begin{array}{r} 24 \\ 43 \\ \hline 11 \end{array}$	$\begin{array}{r} 45 \\ 3 \\ \hline 41 \end{array}$	$\begin{array}{r} 843 \\ 127 \\ \hline \end{array}$	$\begin{array}{r} 743 \\ 300 \\ \hline \end{array}$	$\begin{array}{r} 140 \\ 25 \\ \hline 201 \end{array}$	$\begin{array}{r} \$6.39 \\ 2.42 \\ \hline 1.11 \end{array}$

(8) $8 + 5 =$

(9) $7 + 4 =$

(10) $6 + 7 =$

(11) $9 + 3 =$

(12) A nickel and 7 cents are _____ cents.

(13) A nickel and 8 cents are _____ cents.

(14) A dime and 2 cents are _____ cents.

(15) There are _____ nickels in a quarter.

Test 2. Subtraction

(1)	(6)	(7)	(8)	(9)
$13 - 6 =$	$\begin{array}{r} 87 \\ 30 \\ \hline \end{array}$	$\begin{array}{r} 98 \\ 28 \\ \hline \end{array}$	$\begin{array}{r} 697 \\ 400 \\ \hline \end{array}$	$\begin{array}{r} 765 \\ 365 \\ \hline \end{array}$
$12 - 8 =$				
$11 - 7 =$				
$13 - 5 =$	(10)	(11)	(12)	(13)
$10 - 3 =$	$\begin{array}{r} 973 \\ 648 \\ \hline \end{array}$	$\begin{array}{r} 852 \\ 145 \\ \hline \end{array}$	$\begin{array}{r} \$9.89 \\ 2.84 \\ \hline \end{array}$	$\begin{array}{r} \$7.55 \\ 4.50 \\ \hline \end{array}$

Test 3. Multiplication

(1)	(4)	(5)	(6)	(7)
$2 \times 9 = 18$	$\begin{array}{r} 64 \\ \times 2 \\ \hline 128 \end{array}$	$\begin{array}{r} 601 \\ \times 2 \\ \hline 1202 \end{array}$	$\begin{array}{r} 427 \\ \times 2 \\ \hline 854 \end{array}$	$\begin{array}{r} 910 \\ \times 2 \\ \hline 1820 \end{array}$
$8 \times 0 = 0$				
$7 \times 1 = 7$				

Test 4. Division

(1)	(4)	(5)	(6)	(7)
$12 \div 2 = 6$	$\begin{array}{r} 422 \\ 2 \overline{)846} \end{array}$	$\begin{array}{r} 74 \\ 2 \overline{)148} \end{array}$	$\begin{array}{r} 112 \\ 3 \overline{)336} \end{array}$	$\begin{array}{r} 21 \\ 7 \overline{)147} \end{array}$
$6 \div 3 = 2$				
$9 \div 9 = 1$				

$2+2=4$

$+1=2$

Arithmetic

Reading

$3+2=5$

Writing

Spelling

$2+2=4$

$+1=2$

Arithmetic

Reading

$3+2=5$

Writing

Spelling

$2+2=4$

$1+1=2$

Arithmetic

Reading

$3+2=5$

Writing

Spelling

$2+2=4$

$1+1=2$

Arithmetic

Reading

$3+2=5$

Writing

Spelling



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